



Serving the People of California

96 00114  
1374  
#34632648

# PROJECTIONS AND PLANNING INFORMATION

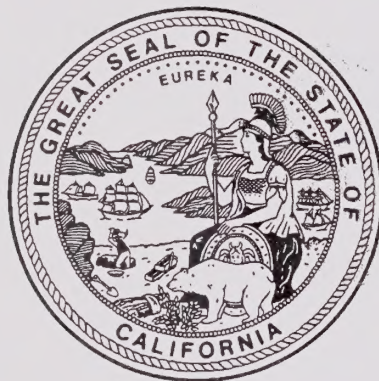


**Marin County**

INSTITUTE OF GOVERNMENTAL  
STUDIES LIBRARY

APR 18 1996

UNIVERSITY OF CALIFORNIA



**Pete Wilson**  
**Governor**  
**STATE OF CALIFORNIA**

**Sandra R. Smoley**  
**Secretary**  
**HEALTH AND WELFARE AGENCY**

**Victoria L. Bradshaw**  
**Director**  
**EMPLOYMENT DEVELOPMENT DEPARTMENT**





Serving the People of California



## **LABOR MARKET INFORMATION DIVISION**

### **MISSION**

WE PROMOTE CALIFORNIA'S ECONOMIC HEALTH BY PROVIDING INFORMATION TO HELP PEOPLE UNDERSTAND CALIFORNIA'S ECONOMY AND MAKE INFORMED LABOR MARKET CHOICES.

### **VISION**

WE ARE THE LABOR MARKET INFORMATION SOURCE FOR CALIFORNIA AND A NATIONAL LEADER IN LABOR MARKET INFORMATION. WE ARE AN INNOVATIVE, CREATIVE AND EXPERT CONSULTING ORGANIZATION; AN ECONOMIC DEVELOPMENT AND RESEARCH PARTNER; AND A PRESTIGIOUS AND HIGHLY CREDIBLE ORGANIZATION.



# LABOR MARKET INFORMATION DIVISION



WE PROVIDE LABOR MARKET INFORMATION TO THE PUBLIC BY PROVIDING  
INFORMATION TO THE PUBLIC REGARDING LABOR MARKET  
TRENDS AND GROWTH OF THE ECONOMY.

## ABOUT

WE ARE THE LEADING SOURCE OF INFORMATION FOR OUR  
NATIONAL LABOR MARKET INFORMATION. WE ARE  
AN INNOVATIVE, CREATIVE AND EXCELLENT ORGANIZATION  
AN EDUCATIONAL, RESEARCH, PARTNER AND A  
PIONEERING AND HIGHLY INNOVATIVE

FOR THE FUTURE

LABOR MARKET INFORMATION

FOR THE FUTURE

LABOR MARKET INFORMATION

LABOR MARKET INFORMATION



# *Projections & Planning Information*

## **Module A:**

# **Introduction**

U-10

S-10

S-10

S-10



# Table of Contents

## Module A: INTRODUCTION

Note to Readers .....	A-v
Area Profile .....	A-1
Population of the County and Selected Cities .....	A-2
Area Map .....	A-3
Population Estimates for California and Counties .....	A-4
The Occupational Information Network (O*NET) .....	A-5
Standard Occupational Classification (SOC) .....	A-6
EDD and Related Services .....	A-7

# Table of Contents

Page

Letter

Introduction

Chapter 1

Chapter 2

Chapter 3

Chapter 4

Chapter 5

Chapter 6

Chapter 7

Chapter 8

Chapter 9

Chapter 10

Chapter 11

Chapter 12

Chapter 13

Chapter 14

Chapter 15

Chapter 16

Chapter 17

Chapter 18

Chapter 19

Chapter 20

Chapter 21

Chapter 22

Chapter 23

Chapter 24

Chapter 25

Chapter 26

Chapter 27

Chapter 28

Chapter 29

Chapter 30

Chapter 31

Chapter 32

Chapter 33

Chapter 34

Chapter 35

Chapter 36

Chapter 37

Chapter 38

Chapter 39

Chapter 40

Chapter 41

Chapter 42

Chapter 43

Chapter 44



# Note to Readers

The Employment Development Department's Labor Market Information Division (LMID) regularly collects, analyzes, and publishes information about California's labor market, which consists of approximately 15 million workers and 1 million employers. In addition to employment and unemployment data, LMID provides economic planning information, industry and occupational information, social and demographic information, and a variety of other statistics.

LMID produces the Projection and Planning Information publication (PPI) for 57 counties and the State. Each module within the PPI is designed to present data in a clear and usable form. The variety and number of reports within each module are intended to answer the most frequently asked questions. These modules are updated as new information becomes available and are delivered to customers for inclusion in a three-ring binder.

**Customers may choose some or all of the following modules:**

**Module A: Introduction** *Information about the featured county and population tables providing data for the past and present. Additional resources for exploring various occupations.*

- Area Profile
- Area Map
- County/City Population
- Population Estimates for California and Counties
- O\*NET The Occupational Network
- Standard Occupational Classification (SOC)
- EDD and Related Websites

**Module B: Labor Force** *Current and historical labor force, employment, unemployment and unemployment rates.*

- State Map of Current Annual Average Rates by County
- Annual Average Unemployment Rates
- Monthly and Annual Average Data

**Module C: Wage and Salary Employment** *Current and historical wage and salary employment data.*

- Annual Average Data
- Monthly Data

**Module D: Projections** *Information for estimating job opportunities, developing training programs, and gaining an insight into future employment trends.*

- Description of Industry and Occupational Tables
- Training Level Definitions
- Industry Trends and Outlook
- Employment by Major Industry
- Industry Employment Projections
- Employment by Major Occupational Group
- Occupations with the Greatest Absolute Job Growth (Growth plus Separations)
- Occupations with the Fastest Job Growth
- Occupational Employment Projections
- Occupations with Most Openings
- Occupations with Projected Declines
- Alphabetical Index of Occupations
- Description of Standard Industrial Classification (SIC) and North American Industry Classification (NAICS)
- Methods and Economic Assumptions

**Module E: Occupational Wages** *Occupational Employment Statistics (OES) Wage Survey results and explanation of methodology.*

- Occupational Wages for Selected Counties

**Module F: Social and Economic Data** *Tables from the U.S. Department of Commerce, the Census Bureau, and various State agencies.*

- Public Assistance Recipients by Program
- Public Assistance Recipients by Program (CalWORKs), Characteristics of Recipients
- Occupations with the Greatest Absolute Job Growth
- Lower Living Standard Income Levels and Poverty Guidelines
- Planning Information for Local Workforce Investment Areas
- Profile of General Demographic Characteristics
- Explanation of Terms and Concepts
- Nondiscrimination Information



# Marin County

Marin County is bordered on the north and northeast by Sonoma County and on the west by the Pacific Ocean. Marin is one of nine counties which significantly contribute to the economy of the San Francisco Bay Area as an urban center. The other eight counties are: Alameda, Contra Costa, Napa, San Francisco, San Mateo, Santa Clara, Solano, and Sonoma.

Marin County's 521 square miles offer a variety of topography, climate, and vegetation, from the tidal flats of the coastline to the slopes of Mt. Tamalpais. The rural coastal corridor and inland valleys feature vast acreage in farm production and open space for tourism and recreation. Parks and recreational facilities within Marin include: China Camp State Park, Mt. Tamalpais State Park, Point Reyes National Seashore and the Golden Gate National Recreation Area.

Highways traversing the county include Interstate 580, U.S. Highway 101, and State Routes 1 and 37. The Golden Gate Bridge provides easy access to San Francisco, and the Interstate 580 Richmond-San Rafael Bridge links Marin County with both Alameda and Contra Costa counties. In addition, ferries provide a pleasant commute to San Francisco from terminals located in the cities of Larkspur and Sausalito as well as numerous bus lines serving most of the county.

Marin County's largest cities are San Rafael and Novato. Serving as the county seat of government, San Rafael is connected to the east side of San Francisco Bay by the Interstate 580 San Rafael/Richmond Bridge, while Novato is located north of San Francisco on Highway 101.

## Marin County

### Population of the County and Selected Cities 1980, 1990, 2000, and 2001

Political Subdivisions	1980 (a)	1990 (b)	2000 (c)	2001 (d)	Percent Change	
					1990 to 2000	2000 to 2001
<b>Total</b>	<b>222,592</b>	<b>230,096</b>	<b>247,289</b>	<b>250,400</b>	<b>7.5%</b>	<b>1.3%</b>
Belvedere	2,401	2,147	2,125	2,150	-1.0%	1.2%
Corte Madera	8,074	8,272	9,100	9,175	10.0%	0.8%
Fairfax	7,391	6,931	7,319	7,375	5.6%	0.8%
Larkspur	11,064	11,070	12,014	12,100	8.5%	0.7%
Mill Valley	12,967	13,038	13,600	13,750	4.3%	1.1%
Novato	43,916	47,585	47,630	48,700	0.1%	2.2%
Ross	2,801	2,123	2,329	2,350	9.7%	0.9%
San Anselmo	12,067	11,743	12,378	12,450	5.4%	0.6%
San Rafael	44,700	48,404	56,063	56,900	15.8%	1.5%
Sausalito	7,338	7,152	7,330	7,400	2.5%	1.0%
Tiburon	6,685	7,532	8,666	8,775	15.1%	1.3%
Balance of County	63,188	64,099	68,735	69,300	7.2%	0.8%

(a) Census of Population, April 1, 1980.

(b) Census of Population, April 1, 1990.

(c) Census of Population, April 1, 2000.

(d) California Department of Finance revised estimates for January 1, 2001.

Parts may not add to total due to independent rounding.



# Marin County





## Population Estimates for California and Counties

	January		Percent Change		January		Percent Change
	2000	2001			2000	2001	
California	34,207,000	34,818,000	1.8%	Orange	2,867,700	2,925,700	2.0%
Alameda	1,455,300	1,479,100	1.6%	Placer	248,700	257,500	3.5%
Alpine	1,200	1,220	1.7%	Plumas	21,000	21,100	0.5%
Amador	35,250	35,400	0.4%	Riverside	1,557,800	1,609,400	3.3%
Butte	204,600	205,800	0.6%	Sacramento	1,230,700	1,258,600	2.3%
Calaveras	40,950	41,100	0.4%	San Benito	53,800	55,200	2.6%
Colusa	19,050	19,200	0.8%	San Bernardino	1,726,800	1,764,300	2.2%
Contra Costa	955,900	972,100	1.7%	San Diego	2,835,400	2,883,600	1.7%
Del Norte	28,050	28,100	0.2%	San Francisco	781,900	793,700	1.5%
El Dorado	157,200	159,700	1.6%	San Joaquin	568,300	583,700	2.7%
Fresno	810,300	823,900	1.7%	San Luis Obispo	248,200	252,100	1.6%
Glenn	26,800	26,800	0.0%	San Mateo	713,900	720,100	0.9%
Humboldt	127,400	127,800	0.3%	Santa Barbara	403,500	408,900	1.3%
Imperial	146,600	150,900	2.9%	Santa Clara	1,698,800	1,723,700	1.5%
Inyo	18,250	18,150	-0.5%	Santa Cruz	258,000	259,800	0.7%
Kern	671,300	685,800	2.2%	Shasta	164,300	165,700	0.9%
Kings	132,100	136,100	3.0%	Sierra	3,580	3,560	-0.6%
Lake	58,700	59,300	1.0%	Siskiyou	44,750	44,300	-1.0%
Lassen	34,850	35,900	3.0%	Solano	396,900	403,400	1.6%
Los Angeles	9,643,100	9,802,800	1.7%	Sonoma	461,700	468,800	1.5%
Madera	125,800	129,400	2.9%	Stanislaus	451,000	459,900	2.0%
Marin	248,700	250,400	0.7%	Sutter	79,700	80,900	1.5%
Mariposa	17,200	17,200	0.0%	Tehama	56,400	56,800	0.7%
Mendocino	87,100	87,300	0.2%	Trinity	13,150	13,050	-0.8%
Merced	212,800	216,700	1.8%	Tulare	373,100	377,500	1.2%
Modoc	9,550	9,600	0.5%	Tuolumne	54,800	55,200	0.7%
Mono	12,950	13,350	3.1%	Ventura	759,400	773,500	1.9%
Monterey	405,200	410,800	1.4%	Yolo	169,300	173,500	2.5%
Napa	125,100	126,200	0.9%	Yuba	60,900	60,800	-0.2%
Nevada	92,300	94,000	1.8%				

SOURCE: State of California, Department of Finance, Population Estimates for California Cities and Counties.  
Report E-1. Sacramento, California, May 2001.



# O\*NET

## The Occupational Information Network

The *Occupational Information Network* (O\*NET) is the U.S. Department of Labor's recent replacement to the long-standing Dictionary of Occupational Titles (DOT). First released in 1998 and made available as an Internet application in 2001, O\*NET was created for the general public to provide broad access to occupational information.

The O\*NET system includes information on skills, abilities, knowledge, work activities, and interests associated with occupations. This information can be used to facilitate career exploration, vocational counseling, and a variety of human resources functions, such as developing job orders and position descriptions and aligning training with current workplace needs.

The gathering and classification of information was done with many different users in mind, including human resource personnel, industry analysts, students, rehabilitation counselors, workforce researchers, managers, displaced workers and more. Information in O\*NET is available for over 950 occupations. Each occupational title and code is based on the most current version of the Standard Occupational Classification system.

O\*NET OnLine offers users the chance to:

- Find occupations to explore, either by skill requirements or using key words
- Search for occupations that use their skills
- Look at related occupations with similar skills requirements
- View and print snapshot reports listing top tasks and skills requirements for an occupation
- View occupation details

- Use crosswalks to find occupations using titles from other classification systems
- Connect to other on-line career information resources to see current wage and outlook information
- Access comprehensive information on-line

The information currently available through O\*NET was developed by job analysts; however, workers and employers themselves, describing what they do and the necessary skills, will contribute to data and ratings beginning in the year 2003.

The U.S. Department of Labor's Employment and Training Administration looked to both public and private entities in the development of O\*NET. State-based Occupational Analysis Field Centers and Assessment Research and Development Program Centers provided regional support. Private sector firms are also assisting with the implementation of the project.

If it is to be current, comprehensive and inclusive, the O\*NET System will require a continuous process of database building. DOL welcomes the participation of employers or representatives of organizations that can contribute occupational information. The massive and growing O\*NET data collection and database will be maintained by the newly established National O\*NET Consortium.

For further information contact O\*NET:

O\*NET Project  
DOL Office of Policy and Research  
200 Constitution Ave., NW, MS N5637  
Washington, DC 20210  
(202) 693-3660

<http://www.doleta.gov/programs/onet/>

# Standard Occupational Classification (SOC)

The Standard Occupational Classification (SOC) 1998 System was developed in response to a growing need for a universal occupational classification system—a system which would allow government agencies and private industry to produce comparable data. The SOC system was designed to cover all occupations in which work is performed for pay or profit and will be used by all federal agencies to classify workers into occupational categories for the purpose of collecting, calculating, or disseminating data.

## *General Characteristics of the Revised SOC*

This system classifies workers at four levels of aggregation:

- major group
- minor group
- broad occupation
- detailed occupation

All workers are classified into one of over 820 occupations, according to their occupational definition. To facilitate classification, all occupations are clustered into one of 23 major groups. Within these major groups, there are 96 minor groups, and 449 broad occupations. Each broad occupation includes detailed occupation(s) requiring similar job duties, skills, education, or experience.

The following example shows the hierarchical structure of the 1998 SOC:

19-0000 Life, physical, and social science occupations (*major group*)

19-000 Life scientists ( *minor group*)

19-1020 Biological scientists (*broad occupation*)

19-1021 Biochemists and biophysicists (*detailed occupation*)

19-1022 Microbiologists (*detailed occupation*)

19-1023 Zoologists and wildlife biologists (*detailed occupation*)

19-1029 Biological scientists, all other (*detailed occupation*)

Data collected by the 2000 Census of Population will be coded to the 1998 SOC; the Department of Labor's Occupational Information Network (O\*NET), adheres to the 1998 SOC. In fact, all federal government agencies that collect occupational data are expected to adopt the 1998 SOC over the next few years.

Additional information, updated revision plans, and information on the implementation of the 1998 SOC are available at the Bureau of Labor Statistics (BLS) Internet site:

**<http://stats.bls.gov/soc>**

# Job Services for Employers and Job Seekers

The Employment Development Department (EDD) is the largest source of personnel recruitment in California. There is no fee to employers or job seekers. Employers may wish to place a job order with EDD or ask about other available services. Job seekers may wish to complete an application to be matched against employer job orders or to request other assistance in finding a job or training.

The **EDD Job Service** is the public employment service for the State of California. From locations in over 200 communities, the EDD Job Service program serves the State's 900,000 employers and the one million or more job seekers who use the services each year.

The EDD Job Service is authorized by the federal Wagner-Peyser Act, as amended by the Workforce Investment Act of 1998. The EDD plans and delivers the services in California in partnership with other employment and training organizations in the One-Stop Career Centers created by the Workforce Investment Act of 1998. The EDD's Job Service offers a variety of services that bring employers with job openings and qualified job seekers together.

**CalJOBS** – California's Internet system for linking employer job listings and job seeker resumes. CalJOBS is available at EDD Job Service locations, One-Stop Career Centers, and anywhere there is Internet access.

Special features of CalJOBS include:

- No fees
- Wide variety of job listings and job seekers
- Easy access:

<http://www.caljobs.ca.gov>

**Employer Advisory Councils** work closely with Job Service to sponsor employer seminars, job fairs and other events which provide information and guidance for job seekers and local business.

## Additional Services to Job Seekers

- Job search workshops
- Referral to partner agencies that provide other employment related services, including training.

## Additional Services to Employers

- Reemployment services for dislocated workers.
- Current labor market information.
- Focused recruitment campaigns.
- Locally coordinated workforce preparation services.

If you are interested in any of the above services, or would like information about the location of the Job Service office nearest you, contact the call center listed below.

Bay Area	415-749-7503
Los Angeles	213-833-7900
Orange	714-518-2315
Riverside	909-955-2200
Sacramento	916-227-0301
San Diego	619-266-4200



# California's Labor Market and Occupational Information is only a click away ...

Use your computer to view and/or download important economic data directly from us —  
**24 hours a day, seven days a week!**

<http://www.calmis.ca.gov>

## **Data available on-line:**

*Agriculture* Statewide and county employment and earnings data for selected crops and industries.

*Demographics* Statewide and county census data, population tables, income statistics, and data for nondiscrimination programs.

*Industry* Current and historical employment data, projections of employment, hours and earnings, and size of firm data.

*Labor Force* Monthly, historical, and annual average labor force data by county, MSA, and statewide; labor market conditions in California, and employment characteristics.

*Resources* Contact lists for area consultants, local partners for the California Cooperative Occupational Information System (CCOIS), publications available, and resources for additional data.

*Occupations* Projections of employment by occupation, the California License Handbook, the California Occupational Guides, the Occupational Guide Wage Supplement and the Occupational Outlook Reports.

## **Visit our interactive on-line sites:**

*Labor Market Information for Economic Development (LMI4ED)* Provides industry trends and occupational information in an interactive application. Users can search for data by county and industry or occupation, select individual items for display, and produce customized tables. LMI4ED is available at:

<http://www.lmi4ed.ca.gov>

*California Career & Training Information System (CaCTIS)* Provides job seekers and career development professionals easy access to occupational wages and outlook, training information and job openings. CaCTIS is available at:

<http://www.cactis.ca.gov>

**Publications and Information:** Publications Desk (916) 262-2162

**Internet Assistance:** (916) 262-2213 or (916) 262-2340

# Related Websites

## Local Government

CA local government agencies

[http://www.ceres.ca.gov/geo\\_area/counties](http://www.ceres.ca.gov/geo_area/counties)

Sacramento Area Commerce and Trade Organization

<http://www.sactoedc.org>

## State Government

California's Home Page — Links to all state government agencies

<http://www.ca.gov>

EDD Home Page

<http://www.edd.ca.gov>

California Career Resource Network (CalCRN) — CalCRN is an interagency committee created to promote the development and use of occupational and career information.

<http://www.soicc.ca.gov>

California Department of Finance (DOF) — DOF provides demographic information, population estimates, and cost of living information.

<http://www.dof.ca.gov>

California One-Stop Career Centers

<http://www.sjtcc.ca.gov/sjtccweb/one-stop>

California School To Career (STC) — School-to-Career is a method of teaching that prepares students for college and the job market by integrating academic studies with real world applications and work based learning experiences.

<http://www.stc.ca.gov>

California's Job Bank

<http://www.caljobs.ca.gov>

Department Of Industrial Relations (DIR) — Worker's Compensation, labor law, and statistics.

<http://www.dir.ca.gov>

## Federal Government

Federal Department of Labor, Bureau of Labor Statistics

<http://stats.bls.gov>

Bureau of the Census

<http://www.census.gov>

Library of Congress

<http://lcweb.loc.gov>

America's Job Bank

<http://www.ajb.dni.us>

# *Projections & Planning Information*

## **Module B:**

# **Labor Force**





# Table of Contents

## Module B: Labor Force

Introduction .....	B-v
Map .....	B-vi
Unemployment Rates	
United States, California and Counties .....	B-1
1990–2002 Annual Average Labor Force Data .....	B-2
1990–2002 Monthly Civilian Labor Force Data .....	B-3





# Labor Force

Labor force statistics are derived from the monthly Current Population Survey (CPS) conducted by the Bureau of Census for the Bureau of Labor Statistics (BLS). This monthly survey collects demographic data including employment and unemployment status for all states. The CPS sample consists of over 60,000 households nationwide with over 4,600 households in California. These data represent counts of individuals by place of residence rather than a count of jobs.

County-level labor force data, with the exception of Los Angeles county, are derived using a variety of information including CPS information, Wage and Salary Employment, and unemployment claims data for local areas.

*Civilian Labor Force* includes all non-institutional civilians, 16 years of age and older, who are working or looking for work: the sum of employed and unemployed.

*Civilian Employment* includes all individuals who are working, either for a wage or salary, self-employed, working at least one hour for pay or profit each week, or working at least 15 unpaid hours in a family business. Those who are on vacation, other kinds of leave, or involved in a labor dispute, are also counted as employed (whether or not they were paid for the time off).

*Civilian Unemployment* includes those individuals who are not working but are able, available and looking for work.

*Unemployment Rate* is the number of unemployed individuals expressed as a percentage of the civilian labor force.

## Suggestions for Users

Regular users of labor force data include grant writers, economic development professionals, government agencies and local social service agencies. This section also provides suggestions for the first time user, the job hunter and the occasional user.

- County labor force data are not seasonally adjusted. It is important to request "not seasonally

adjusted" labor force data for the state and the nation to make a valid comparison.

- The employment and unemployment figures tend to vary from month to month for many reasons. As a result, the annual average figures, over time, tend to be a better estimate of the labor force trends within the area.
- The unemployment rate may not reflect the economic conditions in all areas of the county. The labor market can vary greatly in different industries, in different occupations, and in different parts of the county.
- Month-to-month labor force data are a useful indicator of seasonal changes in an area, such as outdoor activities (i.e. construction), holiday hiring, school schedules and agricultural patterns.
- California labor force data for years prior to 1990 are not directly comparable with data for 1990 and later years due to the introduction of the 1990 Census population controls.

## Additional Sources of Information:

- Bureau of Labor Statistics, Occupational Outlook Handbook
- California Association for Local Economic Development (CALED)
- Local Chambers of Commerce
- Local Economic Development Organizations
- Newspapers

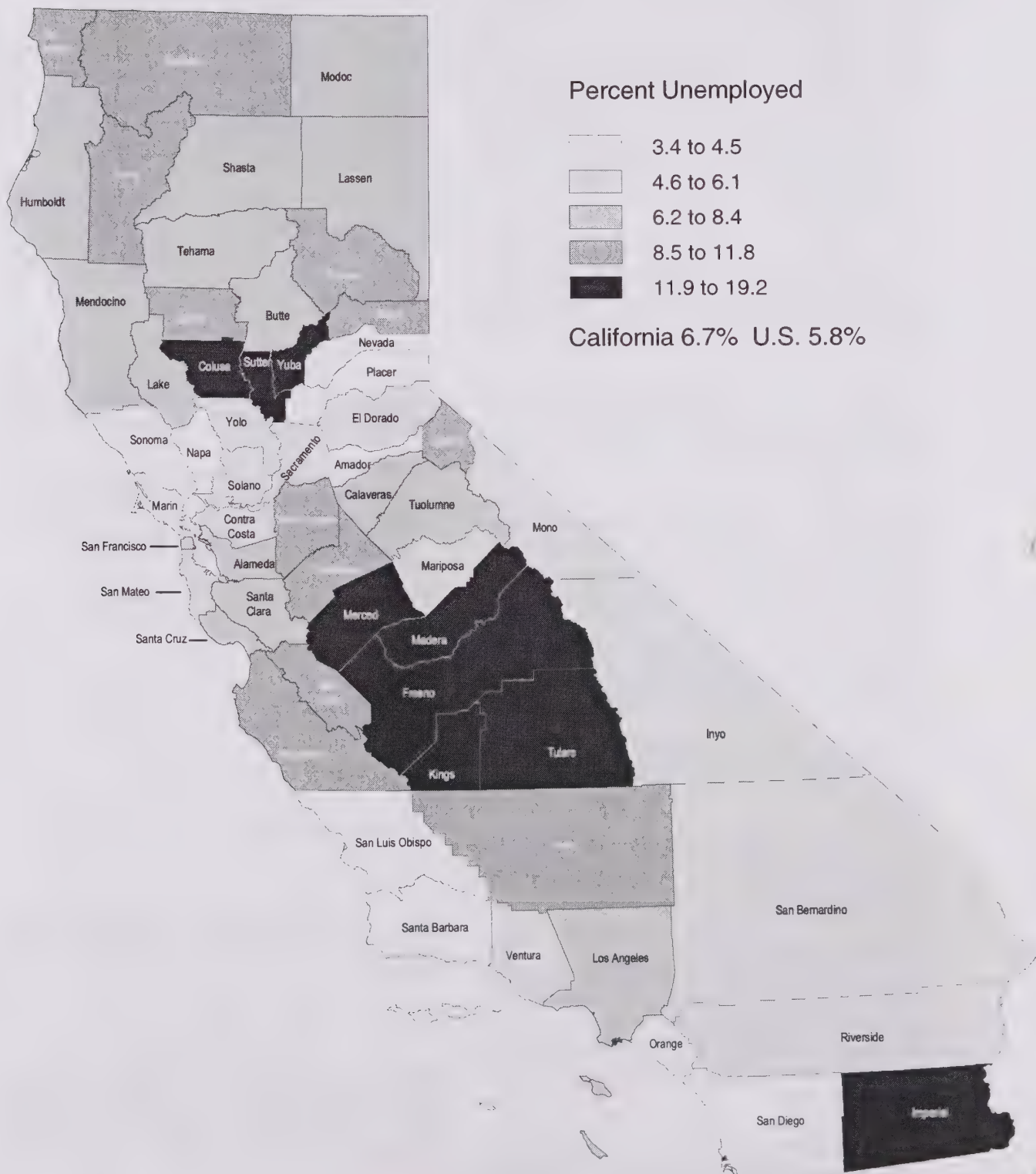
Electronic access to data is available through the Employment Development Department's Internet address at:

**[www.calmis.ca.gov](http://www.calmis.ca.gov)**

Please call **(916) 262-2162** for additional information or technical assistance, to obtain current monthly data, or contact information for local labor market consultants.

# County Unemployment Rates

2002 Annual Averages



**United States, California and Counties**  
**Unemployment Rates**  
2001, 2002 Annual Averages\*

	2001	2002		2001	2002
<b>U.S.</b>	4.7	5.8			
<b>CALIFORNIA</b>	5.4	6.7			
Alameda	4.6	6.8	Orange	3.0	4.1
Alpine	9.6	9.8	Placer	3.5	4.5
Amador	3.9	4.4	Plumas	8.5	9.0
Butte	7.1	7.7	Riverside	5.2	6.1
Calaveras	6.0	7.0	Sacramento	4.2	5.4
Colusa	15.6	16.4	San Benito	8.4	10.0
Contra Costa	3.3	5.2	San Bernardino	4.8	5.7
Del Norte	8.8	9.3	San Diego	3.2	4.3
El Dorado	4.0	5.0	San Francisco	5.2	7.3
Fresno	13.8	14.4	San Joaquin	8.8	10.1
Glenn	9.6	10.2	San Luis Obispo	2.8	3.4
Humboldt	6.0	6.5	San Mateo	2.9	5.0
Imperial	21.8	19.2	Santa Barbara	3.5	4.2
Inyo	4.9	5.9	Santa Clara	4.6	8.4
Kern	10.7	11.8	Santa Cruz	6.2	8.0
Kings	13.7	14.6	Shasta	6.8	7.4
Lake	7.3	8.4	Sierra	9.7	11.4
Lassen	6.7	6.7	Siskiyou	9.4	9.8
Los Angeles	5.7	6.8	Solano	4.1	5.5
Madera	12.2	12.7	Sonoma	3.0	4.5
Marin	2.5	3.9	Stanislaus	10.3	11.4
Mariposa	5.6	5.8	Sutter	12.4	13.6
Mendocino	6.7	7.2	Tehama	6.4	6.8
Merced	14.1	14.4	Trinity	9.9	9.7
Modoc	6.1	6.7	Tulare	15.5	15.5
Mono	5.3	5.6	Tuolumne	5.6	6.4
Monterey	9.4	10.5	Ventura	4.6	5.4
Napa	3.2	4.3	Yolo	4.3	5.0
Nevada	3.6	4.5	Yuba	12.1	13.3

\*March 2002 Benchmark figures.



**Marin County**  
**Civilian Labor Force, Employment and Unemployment**  
 (2002 Benchmark)  
 Annual Averages 1990–2002

	<b>Labor Force</b>	<b>Employment</b>	<b>Unemployment</b>	<b>Rate</b>
<b>2002</b>	134,400	129,100	5,300	3.9%
<b>2001</b>	139,900	136,400	3,500	2.5%
<b>2000</b>	141,000	138,700	2,300	1.6%
<b>1999</b>	135,200	132,600	2,600	1.9%
<b>1998</b>	133,600	130,500	3,100	2.3%
<b>1997</b>	131,800	128,100	3,700	2.8%
<b>1996</b>	129,200	124,800	4,400	3.4%
<b>1995</b>	128,700	123,100	5,600	4.4%
<b>1994</b>	130,700	124,700	6,000	4.6%
<b>1993</b>	131,300	124,600	6,700	5.1%
<b>1992</b>	131,000	124,400	6,600	5.0%
<b>1991</b>	130,700	125,800	4,900	3.7%
<b>1990</b>	132,400	129,100	3,300	2.5%

**Notes:**

- (1) The unemployment rate is calculated using unrounded data.
- (2) Due to the introduction of the 1990 census population figures, the data for years prior to 1990 are not comparable with data for 1990 and later years.

Effective with the release of January 2003 data in February 2003, labor force data for all areas have been revised back to January 2000. This revision is the result of incorporation of the 2000 Census population controls at the State level and changes in methodology. Therefore, data for years prior to 2000 are not comparable with data for 2000 and later years.

**Marin County**  
**Civilian Labor Force, Employment and Unemployment**  
(2002 Benchmark)

	<b>Labor Force</b>	<b>Employment</b>	<b>Unemployment</b>	<b>Rate</b>
<b>2002</b> January	135,000	129,900	5,100	3.8%
February	134,600	129,500	5,100	3.8%
March	134,600	129,300	5,200	3.9%
April	134,100	128,900	5,100	3.8%
May	134,400	129,300	5,100	3.8%
June	134,100	128,400	5,700	4.3%
July	135,700	129,800	5,900	4.3%
August	135,300	129,700	5,600	4.1%
September	134,300	128,800	5,500	4.1%
October	134,300	128,800	5,500	4.1%
November	134,600	129,400	5,300	3.9%
December	132,600	127,700	4,900	3.7%
Annual Average	134,400	129,100	5,300	3.9%
<b>2001</b> January	141,900	139,300	2,500	1.8%
February	141,900	139,400	2,500	1.8%
March	142,300	139,700	2,500	1.8%
April	139,800	137,100	2,700	1.9%
May	140,300	137,300	3,000	2.1%
June	140,400	136,900	3,600	2.5%
July	140,900	136,900	4,100	2.9%
August	140,400	136,300	4,100	2.9%
September	138,700	134,500	4,200	3.0%
October	138,300	133,800	4,500	3.3%
November	137,800	133,200	4,600	3.3%
December	136,400	132,400	3,900	2.9%
Annual Average	139,900	136,400	3,500	2.5%
<b>2000</b> January	136,900	134,500	2,400	1.7%
February	138,400	136,000	2,400	1.7%
March	138,900	136,600	2,300	1.6%
April	139,400	137,300	2,200	1.5%
May	139,400	137,300	2,200	1.6%
June	140,500	137,900	2,600	1.8%
July	142,600	139,800	2,800	2.0%
August	143,500	141,000	2,500	1.7%
September	142,100	139,900	2,200	1.5%
October	142,800	140,600	2,200	1.5%
November	144,100	141,900	2,200	1.5%
December	143,700	141,700	2,000	1.4%
Annual Average	141,000	138,700	2,300	1.6%

**Marin County**  
**Civilian Labor Force, Employment and Unemployment**  
(2002 Benchmark)

<b>1999</b>	January	133,800	130,700	3,100	2.3%
	February	134,200	131,200	2,900	2.2%
	March	134,900	132,100	2,800	2.0%
	April	133,700	131,100	2,600	1.9%
	May	134,100	131,700	2,400	1.8%
	June	135,100	132,300	2,800	2.1%
	July	136,100	133,200	2,900	2.1%
	August	136,200	133,600	2,600	1.9%
	September	135,500	133,000	2,500	1.8%
	October	135,800	133,300	2,400	1.8%
	November	136,100	133,800	2,300	1.7%
	December	137,100	135,100	2,100	1.5%
	Annual Average	135,200	132,600	2,600	1.9%
<b>1998</b>	January	132,200	128,600	3,600	2.7%
	February	132,200	128,800	3,400	2.6%
	March	132,500	129,300	3,200	2.4%
	April	132,700	129,600	3,000	2.3%
	May	132,700	129,700	2,900	2.2%
	June	133,500	130,200	3,300	2.5%
	July	135,500	132,200	3,300	2.4%
	August	135,300	132,100	3,200	2.4%
	September	133,600	130,400	3,200	2.4%
	October	134,200	131,200	3,000	2.2%
	November	134,300	131,400	2,800	2.1%
	December	135,100	132,600	2,500	1.9%
	Annual Average	133,600	130,500	3,100	2.3%
<b>1997</b>	January	130,200	126,200	4,000	3.1%
	February	130,300	126,400	3,900	3.0%
	March	130,900	127,300	3,600	2.8%
	April	130,700	127,200	3,500	2.7%
	May	130,500	127,000	3,500	2.7%
	June	131,500	127,600	3,900	3.0%
	July	133,000	128,700	4,300	3.2%
	August	133,400	129,300	4,100	3.0%
	September	132,100	128,000	4,100	3.1%
	October	133,300	129,600	3,700	2.8%
	November	133,400	130,000	3,400	2.5%
	December	133,400	130,400	3,000	2.3%
	Annual Average	131,800	128,100	3,700	2.8%



**Marin County**  
**Civilian Labor Force, Employment and Unemployment**  
(2002 Benchmark)

<b>1996</b>	January	127,700	122,800	4,900	3.9%
	February	128,200	123,200	5,000	3.9%
	March	129,000	124,500	4,500	3.5%
	April	127,600	123,200	4,300	3.4%
	May	127,300	122,900	4,300	3.4%
	June	128,400	123,700	4,600	3.6%
	July	129,800	125,000	4,800	3.7%
	August	129,800	125,500	4,300	3.3%
	September	129,000	124,800	4,300	3.3%
	October	130,300	126,200	4,000	3.1%
	November	131,400	127,400	3,900	3.0%
	December	131,600	128,100	3,500	2.7%
	Annual Average	129,200	124,800	4,400	3.4%
<b>1995</b>	January	128,900	122,800	6,100	4.7%
	February	127,900	122,200	5,700	4.5%
	March	128,000	122,500	5,500	4.3%
	April	127,400	121,800	5,600	4.4%
	May	127,300	121,700	5,600	4.4%
	June	127,700	121,700	6,000	4.7%
	July	130,300	123,900	6,400	4.9%
	August	129,900	124,000	5,900	4.6%
	September	128,100	122,500	5,600	4.4%
	October	129,100	123,800	5,300	4.1%
	November	129,300	124,500	4,800	3.7%
	December	129,400	125,200	4,200	3.2%
	Annual Average	128,700	123,100	5,600	4.4%
<b>1994</b>	January	130,300	123,700	6,600	5.1%
	February	130,000	123,600	6,400	4.9%
	March	130,300	124,300	6,000	4.6%
	April	129,600	123,900	5,700	4.4%
	May	129,500	123,700	5,800	4.5%
	June	129,800	123,600	6,200	4.8%
	July	132,200	125,600	6,600	5.0%
	August	132,400	126,000	6,400	4.9%
	September	130,200	124,100	6,100	4.7%
	October	131,300	125,700	5,600	4.3%
	November	131,300	125,900	5,400	4.1%
	December	131,400	126,500	4,900	3.8%
	Annual Average	130,700	124,700	6,000	4.6%

**Marin County**  
**Civilian Labor Force, Employment and Unemployment**  
(2002 Benchmark)

<b>1993</b>	January	131,700	124,300	7,400	5.6%
	February	129,900	122,900	7,000	5.4%
	March	129,300	122,700	6,600	5.1%
	April	129,000	122,500	6,500	5.0%
	May	129,300	122,700	6,600	5.1%
	June	130,000	123,000	7,000	5.4%
	July	132,800	125,400	7,400	5.6%
	August	132,400	125,500	6,900	5.2%
	September	131,700	125,000	6,700	5.1%
	October	133,000	126,700	6,300	4.8%
	November	132,800	126,700	6,100	4.6%
	December	133,200	127,600	5,600	4.2%
	Annual Average	131,300	124,600	6,700	5.1%
<b>1992</b>	January	130,200	124,400	5,800	4.5%
	February	130,100	123,800	6,300	4.9%
	March	130,200	124,100	6,100	4.7%
	April	129,900	123,900	6,000	4.6%
	May	129,300	123,100	6,200	4.8%
	June	130,800	124,100	6,700	5.2%
	July	133,400	126,000	7,400	5.5%
	August	133,000	125,800	7,200	5.4%
	September	130,600	123,600	7,000	5.4%
	October	131,300	124,400	6,900	5.2%
	November	131,600	124,800	6,800	5.2%
	December	131,300	124,700	6,600	5.0%
	Annual Average	131,000	124,400	6,600	5.0%
<b>1991</b>	January	130,300	125,600	4,700	3.6%
	February	129,800	124,900	4,900	3.8%
	March	130,100	125,300	4,800	3.7%
	April	129,600	125,000	4,600	3.5%
	May	128,800	124,100	4,700	3.6%
	June	129,100	124,000	5,100	3.9%
	July	131,900	126,300	5,600	4.2%
	August	132,700	127,500	5,200	3.9%
	September	130,100	125,000	5,100	3.9%
	October	132,200	127,200	5,000	3.8%
	November	132,200	127,400	4,800	3.7%
	December	132,500	127,700	4,800	3.6%
	Annual Average	130,700	125,800	4,900	3.7%

**Marin County**  
**Civilian Labor Force, Employment and Unemployment**  
(2002 Benchmark)

<b>1990</b> January	133,700	130,500	3,200	2.4%
February	132,500	129,400	3,000	2.3%
March	132,600	129,700	2,800	2.1%
April	132,400	129,400	3,000	2.2%
May	131,800	128,700	3,200	2.4%
June	132,900	129,400	3,500	2.6%
July	135,100	131,300	3,800	2.8%
August	134,400	130,900	3,500	2.6%
September	130,000	126,500	3,500	2.7%
October	131,700	128,300	3,400	2.6%
November	131,400	127,800	3,500	2.7%
December	130,900	127,400	3,500	2.6%
Annual Average	132,400	129,100	3,300	2.5%

Notes:

- (1) The unemployment rate is calculated using unrounded data.
- (2) Due to the introduction of the 1990 census population figures, the data for years prior to 1990 are not comparable with data for 1990 and later years.

Effective with the release of January 2003 data in February 2003, labor force data for all areas have been revised back to January 2000. This revision is the result of incorporation of the 2000 Census population controls at the State level and changes in methodology. Therefore, data for years prior to 2000 are not comparable with data for 2000 and later years.





# *Projections & Planning Information*

## **Module C:**

# **Wage & Salary Employment**



# Projections and Planning Information

## 2003 updates FOR San Francisco MSA

(Marin, San Francisco and San Mateo Counties)

Replace Module C: WAGE AND SALARY

All pages

EMPLOYMENT DEVELOPMENT DEPARTMENT  
LABOR MARKET INFORMATION DIVISION

For questions about this report, call (916) 262-2162.







# Table of Contents

## Module C: Wage and Salary

Introduction .....	C-v
Commuter maps .....	C-vii
2000–2002 Annual Average Industry Employment Data .....	C-1
2000–2002 Monthly Industry Employment Data .....	C-2



# Wage and Salary Employment

Industry employment data reflect jobs by “place of work” and by broad industry categories. The data do not include the self-employed, unpaid family workers or private household employees. Jobs located in a county or Metropolitan Statistical Area (MSA) that pay wages and salaries are counted, although workers may live outside the area. Jobs are counted regardless of the number of hours worked. Individuals who hold more than one job may be counted more than once.

## Current Employment Statistics

These data are based on the Current Employment Statistics (CES) survey. The CES survey summarizes monthly employment, and hours and earnings data from a sample of California employers. This survey is also referred to as the establishment, or wage and salary employment survey. The estimates are revised in the following month as job information is received from additional employers. Final revisions to the statewide and local area data, referred to as “Benchmark data,” are made each March for the previous two years based on payroll tax reports submitted by California employers covered by the Unemployment Insurance program.

## Classification

Formerly, industry employment data were coded using the Standard Industrial Classification (SIC) system. In 1998, California began to transition from SIC to the new North American Industry Classification System (NAICS).

NAICS is the product of a cooperative effort on the part of the statistical agencies of the United States, Canada, and Mexico. It uses a production-oriented approach to categorize economic units. Units with similar production processes are classified in the same industry. NAICS focuses on how products and services are created, as opposed to SIC which focuses on what is produced. Using NAICS yields significantly different industry groupings than those produced using SIC. Due to these differences, NAICS data will not be directly comparable to the SIC-based data for earlier years.

Many programs within EDD produce or use data by industry, but some of these programs have not

yet transitioned from SIC to NAICS. For example, while the official estimates of employment by industry (also known as the Current Employment Statistics or CES program) began publishing data by NAICS with the release of Benchmark and monthly average data in February of 2003, the projections of employment by industry and occupation will not incorporate NAICS codes until the release of the 2002–2012 data (anticipated release in late 2003 or early 2004).

## Annual Average Data

Annual average data are derived by adding up the monthly data for each industry and dividing by twelve to determine an actual annual average. These annual average data may reflect major business openings, expansions, and closings. Or, these data may reflect trends affecting an entire industry such as economic conditions, structural and technological changes.

## Users of Wage and Salary Data

Economic developers, firms considering relocation, government agencies, grant writers, universities and anyone preparing reports on employment use wage and salary employment information to identify local industry trends. People looking for work and those counseling or placing others may learn about prospects for employment in various industries. Anyone seeking background information may use the wage and salary industry employment tables to look at the county’s economy as a whole; at one industry; and/or at related industries for a firm’s suppliers or for potential markets.

## Points to Consider

Monthly job estimates are not adjusted for seasonal changes in employment. It is important to keep in mind that month-to-month changes may be due to regular seasonal patterns in an industry. For instance, during the holiday shopping season, retail jobs increase and during the summer, there are more workers in the construction industry. On the other hand, changes may reflect new businesses, expansions, or closings. Comparison of monthly changes for the same period in prior years will provide a better understanding of whether the change is seasonal or atypical.

Monthly fluctuations in wage and salary employment are an essential part of the changes that occur in the dynamic economy of a county or region. It is important to study wage and salary employment data over time to evaluate the strength of the local economy.

Wage and salary employment data identify which industries have the largest number of jobs. However, an industry with a large number of workers may not necessarily be expanding; it may even be downsizing, while new and expanding industries may not have large numbers of existing jobs but are a good source for new job opportunities.

Annual average data, over time, tend to be a better indicator of employment trends for the various industries in an area.

#### **Additional Sources of Information**

You may consult the labor force and industry and occupational projections modules of this report for more information on economic conditions in the county. Or, you may speak with the Labor Market Information Division's (LMID) area consultants located throughout the state who are knowledgeable about the economic activities within their local areas. Other sources of information include:

- U. S. Bureau of Labor Statistics
- Local Chambers of Commerce
- Local Economic Development Organizations
- Local Newspapers
- Universities and Colleges

#### **Automated Access**

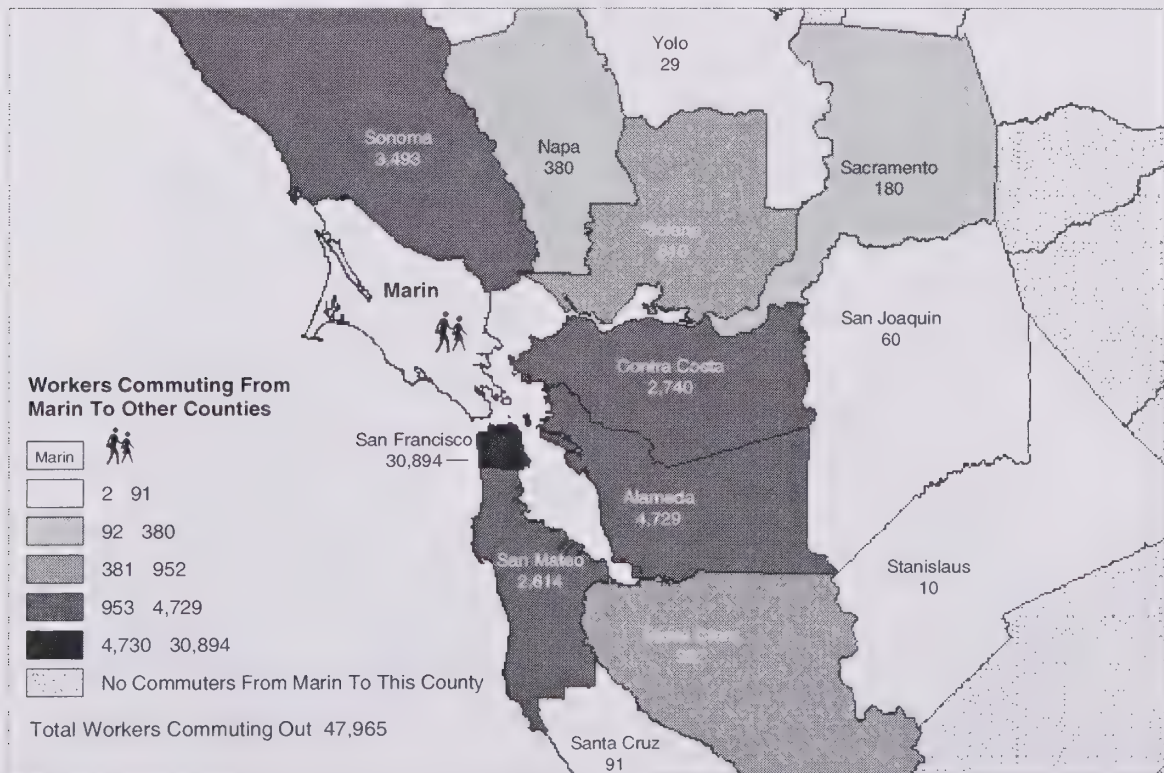
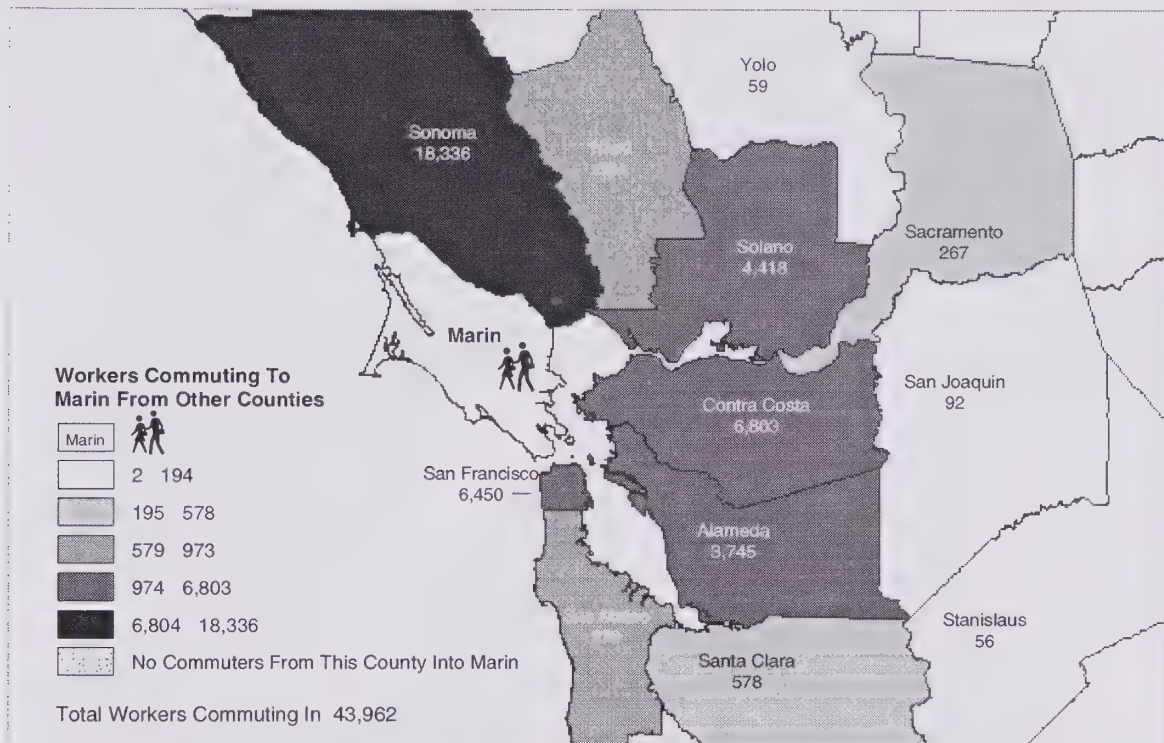
Access to current data is available through the Employment Development Department's Internet address at:

**[www.calmis.ca.gov](http://www.calmis.ca.gov)**

For technical assistance or additional information about the Employment Development Department's website, please call (916) 262-2162. To obtain contact information for local labor market consultants or to obtain current monthly data, customers may also call (916) 262-2162, or FAX (916) 262-2443.

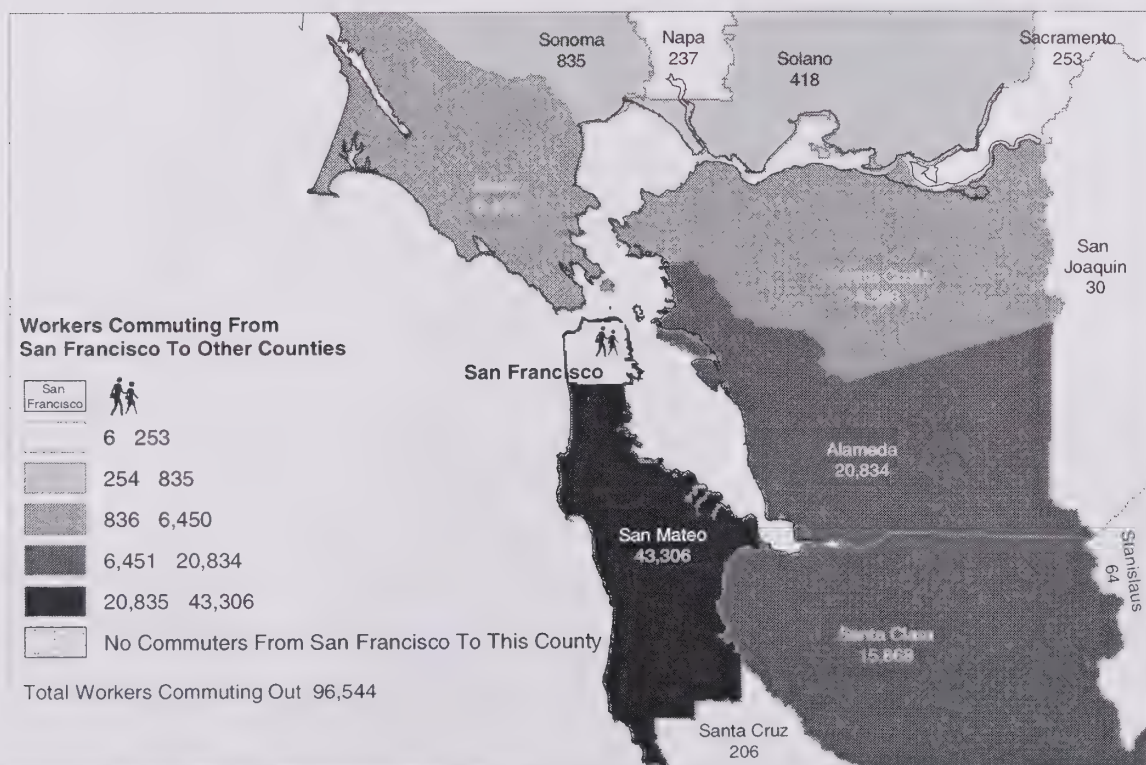
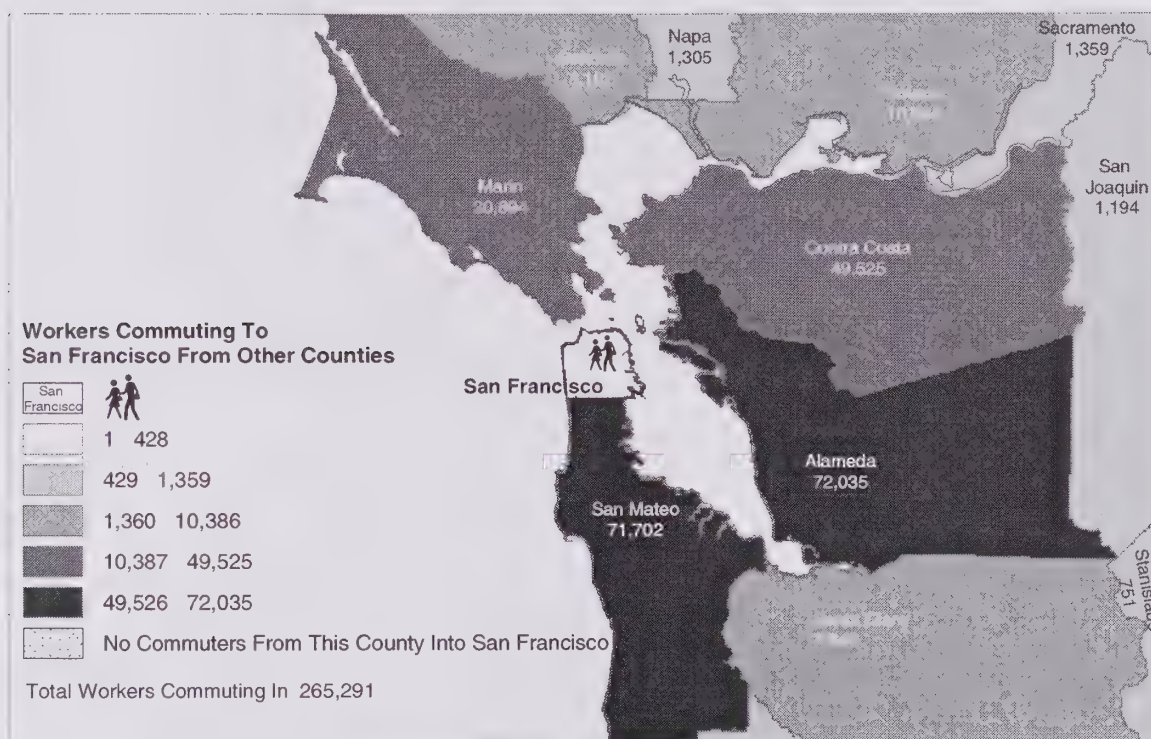


# Marin: County to County Commuting



**Total Workers That Live And Work In Marin 78,681**

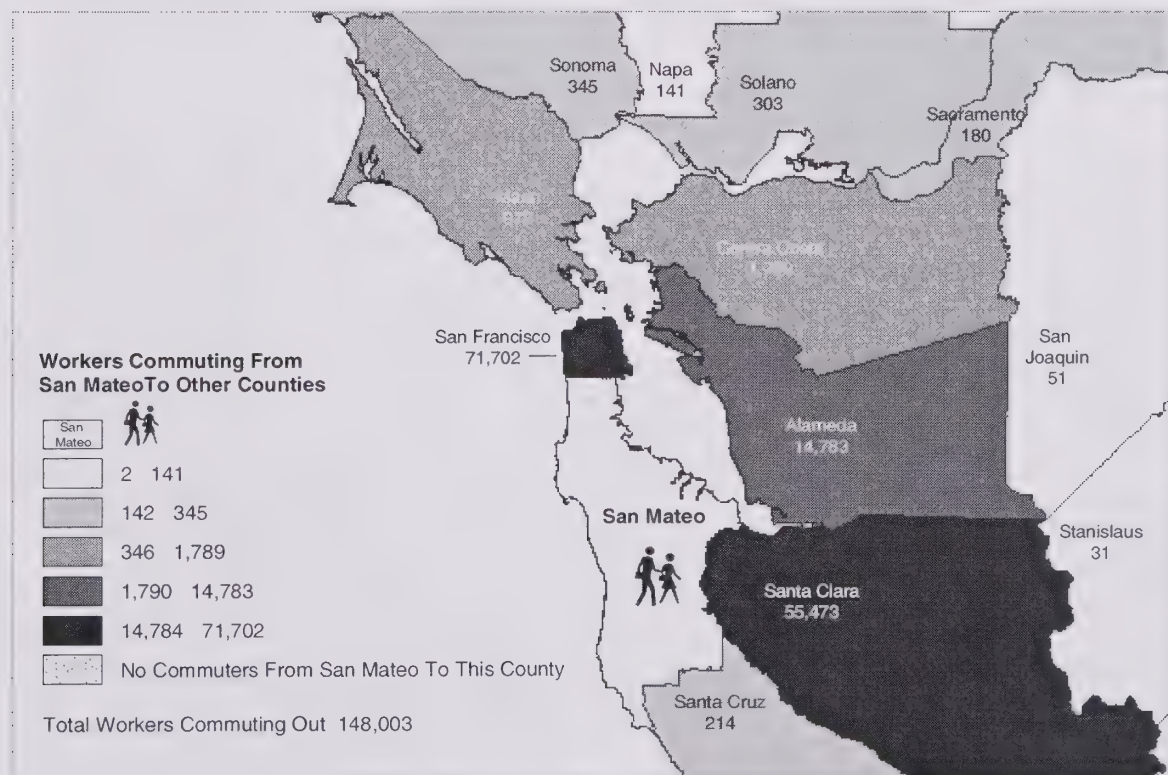
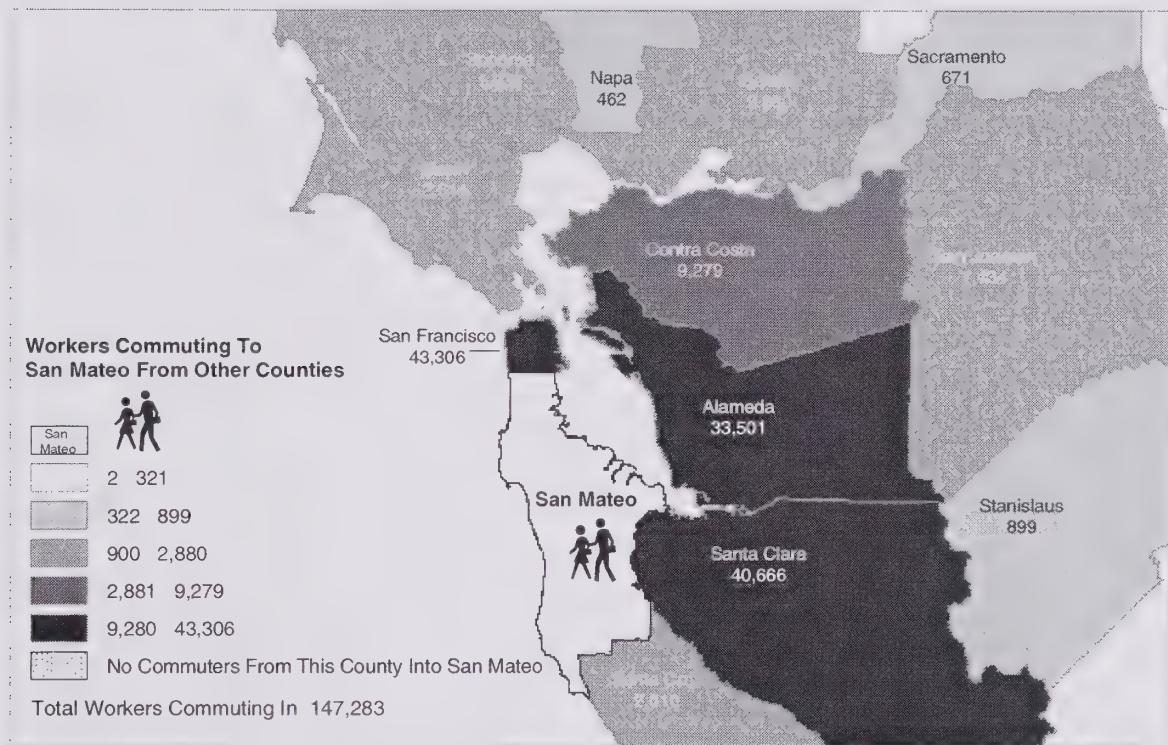
# San Francisco: County to County Commuting



Total Workers That Live And Work In San Francisco 322,009



# San Mateo: County to County Commuting



**Total Workers That Live And Work In San Mateo 206,093**

**San Francisco MSA**  
**Wage and Salary Employment by Industry**  
(Data Not Seasonally Adjusted)  
2000–2002 Annual Averages\*

Industry Title	2000	2001	2002
Total, All Industries	1,085,800	1,057,400	992,000
Total Farm	3,700	3,500	3,400
Total Nonfarm	1,082,100	1,053,900	988,600
Total Private	951,000	923,600	855,900
Goods Producing	107,200	103,700	95,600
Natural Resources, Mining and Construction	45,800	47,600	45,500
Construction	45,900	47,600	45,500
Building and Heavy Construction	21,600	22,700	21,600
Specialty Trade Contractors	24,300	24,900	23,900
Building Equipment Contractors	10,800	10,800	10,100
Residual-Other Specialty Trade Contractors	13,500	14,100	13,800
Manufacturing	61,400	56,100	50,100
Durable Goods	31,600	30,200	26,100
Computer and Electronic Product Manufacturing	13,900	14,000	11,800
Residual-Miscellaneous Manufacturing	17,600	16,200	14,300
Nondurable Goods	29,800	25,900	24,000
Residual-Food Manufacturing	25,500	21,200	18,800
Chemical Manufacturing	4,300	4,700	5,200
Service Providing	974,900	950,200	893,100
Trade, Transportation and Utilities	190,900	186,700	175,100
Wholesale Trade	32,100	31,100	29,400
Merchant Wholesalers, Durable Goods	17,000	16,100	14,600
Merchant Wholesalers, Nondurable Goods	11,800	11,600	11,200
Wholesale Electronic Markets and Agents and Brokers	3,400	3,500	3,500
Retail Trade	101,000	100,800	97,000
Residual-Motor Vehicle and Parts Dealer	32,800	32,400	30,300
Food and Beverage Stores	18,400	19,300	19,300
Health and Personal Care Stores	7,000	7,200	7,000
Clothing and Clothing Accessories Stores	15,200	14,800	14,300
Sporting Goods, Hobby, Book and Music Stores	6,800	7,000	6,600
Sporting Goods, Hobby and Musical Instrument Stores	3,800	3,900	3,900
Book, Periodical and Music Stores	3,000	3,100	2,700
General Merchandise Stores	11,600	11,200	11,200
Miscellaneous Store Retailers	9,200	8,900	8,400
Transportation, Warehousing and Utilities	57,800	54,800	48,700
Utilities	9,200	7,300	7,900
Transportation and Warehousing	48,600	47,500	40,900
Air Transportation	23,500	24,000	20,000
Residual-Rail Transportation	16,800	16,400	14,600
Couriers and Messengers	8,300	7,100	6,200

\*March 2002 Benchmark figures.



**San Francisco MSA**  
**Wage and Salary Employment by Industry**  
(Data Not Seasonally Adjusted)  
2000–2002 Annual Averages\*

Industry Title	2000	2001	2002
Information	63,300	60,000	49,500
Publishing Industries (except Internet)	17,700	22,100	22,000
Motion Picture and Sound Recording	6,200	5,700	4,800
Broadcasting (except Internet)	4,200	4,700	4,600
Telecommunications	12,400	10,100	8,200
Internet Service Providers, Web Search Portals and Data Processing	18,300	14,100	8,100
Residual-Other Information Services	4,600	3,300	1,800
Financial Activities	97,200	101,900	96,900
Finance and Insurance	73,400	78,800	74,600
Residual-Other Finance	2,100	1,900	2,300
Credit Intermediation and Related Activities	23,300	27,400	27,300
Depository Credit Intermediation	14,300	18,400	18,400
Nondepository Credit Intermediation	4,800	4,900	5,500
Activities Related to Credit Intermediation	4,300	4,000	3,400
Securities, Commodity Contracts and Investments	27,300	29,700	25,400
Insurance Carriers and Related	20,800	19,800	19,600
Real Estate and Rental and Leasing	23,800	23,200	22,300
Real Estate	15,500	15,300	15,800
Automotive Equipment Rental and Leasing	3,000	2,800	2,100
Residual-Lessors of Nonfinancial Intangible Assets	8,300	5,100	4,500
Professional and Business Services	241,900	219,200	190,000
Professional, Scientific and Technical Services	123,400	121,300	107,200
Legal Services	18,600	19,200	19,300
Accounting, Tax Preparation and Bookkeeping Services	10,600	10,800	9,100
Architectural, Engineering and Related Services	16,300	16,600	16,100
Computer Systems Design and Related Services	34,200	32,200	23,200
Management, Scientific and Technical Consulting Services	13,700	13,600	12,400
Advertising and Related Services	10,800	8,900	7,000
Residual-Other Professional, Scientific and Technical Services	19,200	20,100	20,200
Management of Companies and Enterprises	48,800	36,700	27,300
Administrative and Support and Waste Services	69,800	61,300	55,500
Administrative and Support Services	67,900	59,200	53,200
Employment Services	32,200	22,000	17,000
Investigation and Security Services	6,100	6,400	7,000
Services to Buildings and Dwellings	14,500	15,100	14,900
Residual-Other Support Services	15,100	15,700	14,300
Waste Management and Remediation Services	1,900	2,100	2,300
Educational and Health Services	95,300	96,000	97,600
Educational Services	22,400	21,600	22,400
Residual-Elementary and Secondary Schools	15,300	14,400	14,700
Colleges, Universities and Professional Schools	7,000	7,100	7,600

\*March 2002 Benchmark figures.

**San Francisco MSA**  
**Wage and Salary Employment by Industry**  
(Data Not Seasonally Adjusted)  
2000–2002 Annual Averages\*

Industry Title	2000	2001	2002
Health Care and Social Assistance	73,000	74,400	75,300
Ambulatory Health Care Services	27,600	28,300	28,300
Offices of Physicians	11,800	12,000	12,600
Residual-Other Ambulatory Health Care Services	15,800	16,300	15,700
Hospitals	18,000	17,500	17,800
Nursing and Residential Care Facilities	11,300	11,800	12,400
Social Assistance	16,100	16,800	16,800
Leisure and Hospitality	114,800	115,700	112,000
Arts, Entertainment, and Recreation	17,900	18,400	18,600
Performing Arts, Spectator Sports	7,200	6,900	6,700
Residual-Museums, Historical Sites, and Similar Institutions	2,000	2,100	2,600
Amusement, Gambling, and Recreation	8,600	9,400	9,300
Accommodation and Food Service	96,900	97,300	93,400
Accommodation	24,700	24,800	23,100
Food Services and Drinking Places	72,300	72,600	70,300
Full-Service Restaurants	39,500	39,100	38,000
Limited-Service Eating Places	24,100	25,100	24,800
Special Food Services	5,600	5,100	4,400
Drinking Places (Alcoholic Beverages)	3,200	3,200	3,100
Other Services	40,300	40,300	39,200
Repair and Maintenance	8,500	8,900	8,900
Personal and Laundry Services	11,000	11,100	10,700
Religious, Grantmaking, Civic, Professional and Similar Organizations	20,800	20,300	19,500
Government	131,100	130,300	132,700
Federal Government	25,400	22,300	22,200
Other Federal Government	24,700	21,800	21,700
Department of Defense	700	500	500
State and Local Government	105,700	108,000	110,500
State Government	27,200	29,000	29,800
State Government Education	16,500	16,400	16,900
Other State Government	10,700	12,500	13,000
Local Government	78,600	79,000	80,700
Local Government Education	33,300	33,800	34,500
County	7,900	7,900	8,300
City	33,100	33,100	33,600
Other Local Government	4,200	4,200	4,300

**San Francisco MSA**  
**Wage and Salary Employment by Industry**  
(Data Not Seasonally Adjusted)  
Monthly January–December 2000\*

Industry Title	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Avg
Total, All Industries	1,044,400	1,058,600	1,071,600	1,073,800	1,083,000	1,092,200	1,089,600	1,094,200	1,100,100	1,098,500	1,108,400	1,114,800	1,088,800
Total Farm	3,300	3,500	3,400	3,600	3,700	3,600	3,800	3,700	3,900	3,700	4,000	3,700	3,700
Total Nonfarm	1,041,100	1,055,100	1,068,200	1,070,200	1,079,300	1,088,600	1,085,800	1,090,500	1,096,200	1,094,800	1,104,400	1,111,100	1,082,100
Total Private	915,600	928,500	940,000	936,000	942,400	953,400	957,100	961,100	966,800	963,500	970,700	977,100	951,000
Goods Producing	104,400	105,400	107,000	106,100	106,200	106,800	107,500	108,100	109,000	108,100	108,600	109,300	107,200
Natural Resources, Mining and Construction	43,400	43,700	45,200	43,600	44,300	45,600	46,700	47,300	47,800	47,300	47,200	47,500	45,800
Construction	43,300	43,500	44,200	45,300	45,800	45,700	46,500	47,200	47,600	47,100	47,100	47,300	45,900
Building and Heavy Construction	20,600	20,600	21,100	21,300	21,400	21,300	21,700	22,100	22,200	22,300	22,300	22,400	21,600
Specialty Trade Contractors	22,700	22,900	23,100	24,000	24,400	24,400	24,800	25,100	25,400	24,800	24,800	24,900	24,300
Building Equipment Contractors	10,200	10,400	10,800	10,600	10,600	10,700	10,900	11,000	11,000	10,900	10,900	11,000	10,800
Residual-Other Specialty Trade Contractors	12,500	12,500	12,300	13,400	13,800	13,700	13,900	14,100	14,400	13,900	13,900	13,900	13,500
Manufacturing	61,000	61,700	61,800	62,500	61,900	61,200	60,800	60,800	61,200	60,800	61,400	61,800	61,400
Durable Goods	30,700	31,100	31,400	31,000	31,100	31,200	31,700	31,800	31,900	32,000	32,400	32,600	31,600
Computer and Electronic Product Manufacturing	13,400	13,600	13,700	13,500	13,600	13,700	14,000	14,200	14,200	14,200	14,500	14,600	13,900
Residual-Miscellaneous Manufacturing	17,300	17,500	17,700	17,500	17,500	17,500	17,700	17,600	17,700	17,800	17,900	18,000	17,600
Nondurable Goods	30,300	30,600	30,400	31,500	30,800	30,000	29,100	29,000	29,300	28,800	29,000	29,200	29,800
Residual-Food Manufacturing	26,000	26,300	26,300	27,400	26,700	25,900	24,600	24,700	25,000	24,200	24,400	24,600	25,500
Chemical Manufacturing	4,300	4,300	4,100	4,100	4,100	4,100	4,500	4,300	4,300	4,600	4,600	4,600	4,300
Service Providing	936,700	949,700	961,200	964,100	973,100	981,800	978,300	982,400	987,200	986,700	995,800	1,001,800	974,900
Trade, Transportation and Utilities	188,700	187,800	188,900	188,200	189,200	190,600	191,700	191,700	191,800	190,200	194,500	198,000	190,900
Wholesale Trade	31,900	32,200	32,400	31,800	31,900	31,900	32,200	32,100	32,200	32,100	32,200	32,600	32,100
Merchant Wholesalers, Durable Goods	16,600	16,700	16,800	16,800	16,800	16,800	17,200	17,200	17,200	17,200	17,200	17,400	17,000
Merchant Wholesalers, Nondurable Goods	11,900	12,000	12,100	11,800	11,800	11,800	11,700	11,600	11,600	11,600	11,700	11,700	11,600
Wholesale Electronic Markets and Agents and Brokers	3,400	3,500	3,500	3,200	3,300	3,300	3,300	3,300	3,400	3,300	3,300	3,500	3,400

\*March 2002 Benchmark figures.



**San Francisco MSA**  
**Wage and Salary Employment by Industry**  
(Data Not Seasonally Adjusted)  
Monthly January–December 2000\*

Industry Title	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Avg
Retail Trade	99,600	98,200	98,400	98,500	99,100	100,500	101,200	101,400	101,300	101,300	105,000	108,000	101,000
Residual-Motor Vehicle and Parts Dealer	30,500	30,800	31,400	32,000	32,400	32,900	33,500	33,800	33,800	33,700	34,000	34,500	32,800
Food and Beverage Stores	18,300	18,300	18,400	18,300	18,200	18,200	18,300	18,200	18,500	18,300	19,100	18,800	18,400
Health and Personal Care Stores	6,700	6,700	6,800	6,900	6,900	6,900	6,900	6,900	7,000	7,300	7,400	7,500	7,000
Clothing and Clothing Accessories Stores	15,800	15,100	14,800	14,400	14,500	15,200	15,400	15,400	14,900	14,800	15,800	16,800	15,200
Sporting Goods, Hobby, Book and Music Stores	6,600	6,600	6,600	6,800	6,700	6,800	6,800	6,800	6,900	6,700	7,100	7,400	6,800
Sporting Goods, Hobby and Musical Instrument Stores	3,600	3,600	3,600	3,700	3,700	3,700	3,900	3,800	3,800	3,700	4,100	4,300	3,800
Book, Periodical and Music Stores	3,000	3,000	3,000	3,100	3,000	3,100	2,900	3,000	3,100	3,000	3,000	3,100	3,000
General Merchandise Stores	12,600	11,500	11,200	11,000	11,200	11,200	11,300	11,300	11,100	11,400	12,300	13,200	11,600
Miscellaneous Store Retailers	9,100	9,200	9,200	9,100	9,200	9,300	9,000	9,000	9,100	9,100	9,300	9,800	9,200
Transportation, Warehousing and Utilities	57,200	57,400	58,100	57,900	58,200	58,200	58,300	58,200	58,300	56,800	57,300	57,400	57,800
Utilities	10,000	10,000	9,900	9,400	9,400	9,300	9,000	9,200	9,200	8,400	8,400	8,400	9,200
Transportation and Warehousing	47,200	47,400	48,200	48,500	48,800	48,900	49,300	49,000	49,100	48,400	48,900	49,000	48,600
Air Transportation	23,000	23,000	23,200	23,300	23,300	23,500	23,900	23,800	23,800	23,800	23,900	23,800	23,500
Residual-Rail Transportation	16,200	16,400	17,000	16,700	17,100	17,100	17,000	17,000	17,100	16,400	16,500	16,600	16,800
Couriers and Messengers	8,000	8,000	8,000	8,500	8,400	8,300	8,400	8,200	8,200	8,200	8,500	8,600	8,200
Information	55,400	57,300	59,300	60,700	62,800	64,800	65,400	66,400	66,800	66,300	66,900	66,900	63,300
Publishing Industries (except Internet)	15,900	16,300	16,700	16,900	17,200	17,600	18,000	18,300	18,500	18,700	18,800	19,100	17,700
Motion Picture and Sound Recording	6,000	6,100	6,000	6,000	6,100	6,300	6,400	6,300	6,300	6,200	6,300	6,200	6,200
Broadcasting (except Internet)	3,700	3,800	3,800	3,800	3,900	4,000	4,300	4,400	4,400	4,500	4,600	4,700	4,200
Telecommunications	12,800	13,000	13,100	12,400	12,600	12,700	11,900	12,000	12,000	11,900	12,000	12,000	12,400
Internet Service Providers, Web Search Portals and Data Processing	13,700	14,600	15,600	17,200	18,400	19,200	19,700	20,300	20,500	20,000	20,100	20,200	18,300
Residual-Other Information Services	3,300	3,500	4,100	4,400	4,600	5,000	5,100	5,100	5,100	5,000	5,100	4,700	4,600
Financial Activities	95,400	95,700	96,200	96,100	96,800	98,200	97,900	97,000	97,600	98,500	98,300	98,900	97,200
Finance and Insurance	72,200	72,200	72,600	72,400	73,000	74,300	73,800	73,200	73,500	74,500	74,300	74,900	73,400
Residual-Other Finance	2,300	2,500	2,100	2,200	2,200	2,300	1,800	1,800	1,800	1,900	1,900	2,000	2,100
Credit Intermediation and Related Activities	24,300	23,600	23,700	23,700	23,700	23,700	23,600	22,600	22,600	22,400	22,600	22,800	23,300
Depository Credit Intermediation	15,300	15,800	15,800	14,400	14,300	14,300	14,300	13,600	13,400	13,300	13,400	13,500	14,300
Nondepository Credit Intermediation	4,600	4,700	4,700	4,800	4,800	4,800	4,900	4,800	4,900	4,900	5,000	5,100	4,800
Activities Related to Credit Intermediation	4,100	4,100	4,200	4,400	4,500	4,500	4,400	4,300	4,300	4,200	4,200	4,300	4,300
Securities, Commodity Contracts and Investments	24,300	24,800	25,400	25,600	26,200	27,400	27,900	28,300	28,500	29,600	29,600	29,900	27,300
Insurance Carriers and Related	21,300	21,300	21,400	20,900	20,900	20,900	20,500	20,500	20,600	20,600	20,200	20,200	20,800

\*March 2002 Benchmark figures.



**San Francisco MSA**  
**Wage and Salary Employment by Industry**  
(Data Not Seasonally Adjusted)  
Monthly January–December 2000\*

Industry Title	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Avg
Real Estate and Rental and Leasing	23,200	23,500	23,600	23,700	23,800	23,900	24,100	23,800	24,100	24,000	24,000	24,000	23,800
Real Estate	15,500	15,500	15,500	15,400	15,500	15,600	15,600	15,400	15,500	15,500	15,500	15,600	15,500
Automotive Equipment Rental and Leasing	2,800	2,900	3,000	3,000	3,000	3,000	3,100	3,100	3,200	3,200	3,100	3,000	3,000
Residual-Lessors of Nonfinancial Intangible Assets	7,700	8,000	8,100	8,300	8,300	8,300	8,500	8,400	8,600	8,500	8,500	8,400	8,300
Professional and Business Services	227,700	232,400	236,200	237,200	238,300	242,900	243,800	247,400	248,300	248,500	249,400	250,900	241,900
Professional, Scientific and Technical Services	113,100	115,600	117,700	120,200	121,000	124,100	125,500	127,100	127,700	128,900	129,400	130,300	123,400
Legal Services	18,100	18,200	18,300	18,200	18,200	18,800	18,800	18,700	18,600	19,200	18,800	19,000	18,600
Accounting, Tax Preparation and Bookkeeping Services	10,900	10,900	10,700	10,800	10,100	10,300	10,200	10,300	10,400	10,600	10,700	11,200	10,600
Architectural, Engineering and Related Services	15,800	15,900	16,100	16,000	16,100	16,400	16,400	16,400	16,300	16,500	16,500	16,700	16,300
Computer Systems Design and Related Services	27,500	28,900	30,500	32,400	33,700	35,000	35,800	36,800	37,200	37,300	37,800	37,700	34,200
Management, Scientific and Technical Consulting Services	12,600	12,700	13,000	13,200	13,200	13,600	13,900	14,100	14,300	14,500	14,600	14,600	13,700
Advertising and Related Services	10,000	10,300	10,500	10,800	10,900	11,000	11,000	11,000	10,900	11,200	11,200	11,200	10,800
Residual-Other Professional, Scientific and Technical Services	18,200	18,700	18,600	18,800	18,800	19,000	19,400	19,800	20,000	19,600	19,800	19,900	19,200
Management of Companies and Enterprises	48,700	49,000	48,800	48,800	48,500	49,100	48,500	48,800	48,400	48,400	48,800	49,200	48,800
Administrative and Support and Waste Services	65,900	67,800	69,700	68,200	68,800	69,700	69,800	71,500	72,200	71,200	71,200	71,400	69,800
Administrative and Support Services	64,000	65,900	67,700	66,300	66,900	68,000	67,800	69,600	70,200	69,200	69,700	69,800	67,900
Employment Services	29,800	30,600	32,400	31,400	31,500	32,100	33,100	33,400	33,500	32,700	32,700	33,100	32,200
Investigation and Security Services	5,800	5,900	5,900	5,900	6,000	6,000	6,200	6,200	6,200	6,200	6,200	6,400	6,100
Services to Buildings and Dwellings	14,100	14,400	14,500	14,200	14,400	14,500	14,400	14,800	15,000	14,700	14,700	14,800	14,500
Residual-Other Support Services	14,300	15,000	14,900	14,800	15,000	15,400	14,100	15,200	15,500	15,600	16,100	15,500	15,100
Waste Management and Remediation Services	1,900	1,900	2,000	1,900	1,900	1,700	2,000	1,900	2,000	2,000	1,500	1,600	1,900
Educational and Health Services	96,800	100,000	100,000	94,400	94,100	92,900	93,600	92,500	93,500	94,300	95,700	95,800	95,300
Educational Services	20,600	22,600	22,800	22,700	22,500	21,300	21,500	21,000	22,300	23,500	23,800	23,600	22,400
Residual-Elementary and Secondary Schools	14,400	15,200	15,400	15,000	15,300	15,200	15,400	14,800	15,400	15,800	16,000	16,100	15,300
Colleges, Universities and Professional Schools	6,200	7,400	7,400	7,700	7,200	6,100	6,100	6,200	6,900	7,700	7,800	7,500	7,000
Health Care and Social Assistance	76,200	77,400	77,200	71,700	71,600	71,600	72,100	71,500	71,200	70,800	71,900	72,200	73,000
Ambulatory Health Care Services	27,000	27,400	27,600	27,300	27,300	27,600	27,600	27,900	27,800	27,800	27,900	28,100	27,600
Offices of Physicians	11,500	11,600	11,700	11,700	11,700	11,800	11,900	12,000	12,000	11,900	11,900	11,900	11,800
Residual-Other Ambulatory Health Care Services	15,500	15,800	15,900	15,600	15,600	15,800	15,700	15,900	15,800	15,900	16,000	16,200	15,800
Hospitals	22,300	22,500	22,000	17,000	16,900	16,900	16,300	16,200	16,200	16,300	16,400	16,500	16,000
Nursing and Residential Care Facilities	11,000	11,200	11,300	11,200	11,200	11,200	11,400	11,300	11,400	11,200	11,400	11,400	11,300
Social Assistance	15,900	16,300	16,300	16,200	16,200	15,900	16,800	16,100	15,800	15,500	16,200	16,200	16,100

\*March 2002 Benchmark figures.

**San Francisco MSA**  
**Wage and Salary Employment by Industry**  
(Data Not Seasonally Adjusted)  
Monthly January–December 2000\*

Industry Title	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Avg
Leisure and Hospitality	108,000	110,100	112,300	113,000	114,600	116,500	116,800	117,700	119,600	117,000	116,300	116,200	114,800
Arts, Entertainment, and Recreation	16,200	16,600	17,100	17,200	17,800	18,300	18,500	19,100	19,600	18,800	18,200	17,600	17,900
Performing Arts, Spectator Sports	6,100	6,400	6,900	7,000	7,300	7,300	7,100	7,700	8,600	8,100	7,600	6,800	7,200
Residual-Museums, Historical Sites, and Similar Institutions	2,000	2,000	2,000	2,100	2,000	2,200	2,100	2,100	2,000	2,000	2,000	2,000	2,000
Amusement, Gambling, and Recreation	8,100	8,200	8,200	8,100	8,500	8,800	9,300	9,300	9,000	8,700	8,600	8,800	8,600
Accommodation and Food Service	91,800	93,500	95,200	95,800	96,800	98,200	98,300	98,600	100,000	98,200	98,100	98,600	96,900
Accommodation	23,600	23,700	23,700	24,100	24,400	25,000	25,300	25,300	25,500	25,100	25,000	25,300	24,700
Food Services and Drinking Places	68,200	69,800	71,500	71,700	72,400	73,200	73,000	73,300	74,500	73,100	73,100	73,300	72,300
Full-Service Restaurants	37,300	38,500	39,100	39,400	39,600	40,200	40,000	40,100	40,400	39,700	39,800	39,500	39,500
Limited-Service Eating Places	22,500	22,600	23,400	24,200	23,900	24,300	24,600	24,800	24,800	24,800	24,400	24,300	24,100
Special Food Services	5,300	5,500	5,900	4,900	5,600	5,500	5,100	5,300	6,100	5,600	5,800	6,300	5,600
Drinking Places (Alcoholic Beverages)	3,100	3,200	3,100	3,200	3,300	3,200	3,300	3,100	3,200	3,000	3,100	3,200	3,200
Other Services	39,200	39,800	40,100	40,300	40,400	40,700	40,400	40,300	40,200	40,600	41,000	41,100	40,300
Repair and Maintenance	8,700	8,700	9,000	9,100	9,000	9,200	9,100	9,100	9,100	7,000	7,000	6,900	8,500
Personal and Laundry Services	10,500	10,700	10,700	11,100	11,200	11,300	11,300	11,100	11,100	11,200	11,100	11,200	11,000
Religious, Grantmaking, Civic, Professional and Similar Organizations	20,000	20,400	20,400	20,100	20,200	20,200	20,000	20,100	20,000	22,400	22,900	23,000	20,800
Government	125,500	126,600	128,200	134,200	136,900	135,200	128,700	129,400	129,400	131,300	133,700	134,000	131,100
Federal Government	24,000	23,900	24,100	25,300	27,700	28,600	25,900	26,700	24,100	24,100	24,600	25,600	25,400
Other Federal Government	23,200	23,200	23,400	24,600	27,000	28,000	25,300	26,100	23,500	23,500	24,000	25,000	24,700
Department of Defense	800	700	700	700	700	600	600	600	600	600	600	600	700
State and Local Government	101,500	102,700	104,100	108,900	109,200	106,600	102,800	102,700	105,300	107,200	109,100	108,400	105,700
State Government	23,800	23,200	24,000	28,700	28,600	28,700	27,500	27,700	28,000	28,300	28,900	28,500	27,200
State Government Education	17,200	16,600	17,400	16,900	16,800	16,800	15,500	15,500	15,800	16,100	16,600	16,300	16,500
Other State Government	6,600	6,600	6,600	11,800	11,800	11,900	12,000	12,200	12,200	12,200	12,300	12,200	10,700
Local Government	77,700	79,500	80,100	80,200	80,600	77,900	75,300	75,000	77,300	78,900	80,200	79,900	78,600
Local Government Education	33,100	34,700	35,100	35,400	35,700	32,600	29,500	29,100	32,000	33,500	34,900	34,300	33,300
County	7,700	7,800	7,900	7,800	7,800	7,900	8,000	8,000	8,000	8,000	7,900	7,900	7,900
City	32,700	32,800	32,900	32,800	32,900	33,100	33,500	33,500	33,100	33,200	33,300	33,500	33,100
Other Local Government	4,200	4,200	4,200	4,200	4,200	4,300	4,300	4,400	4,200	4,200	4,100	4,200	4,200

\*March 2002 Benchmark figures.

**San Francisco MSA**  
**Wage and Salary Employment by Industry**  
(Data Not Seasonally Adjusted)  
Monthly January–December 2001\*

Industry Title	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Avg
Total, All Industries	1,078,600	1,083,900	1,091,200	1,074,800	1,073,000	1,071,700	1,050,600	1,044,900	1,039,800	1,029,600	1,025,600	1,025,300	1,057,400
Total Farm	3,200	3,300	3,400	3,600	3,800	3,700	3,500	3,600	3,600	3,600	3,700	3,500	3,500
Total Nonfarm	1,075,400	1,080,600	1,087,800	1,071,200	1,069,200	1,068,000	1,047,100	1,041,300	1,036,200	1,026,000	1,021,900	1,021,800	1,053,900
Total Private	946,500	951,400	957,200	940,200	938,100	937,200	919,800	914,900	905,800	894,200	889,000	889,000	923,600
Goods Producing	105,000	105,300	106,900	105,600	104,800	105,200	104,300	104,200	102,900	101,400	99,800	99,200	103,700
Natural Resources, Mining and Construction	46,000	46,300	47,800	47,100	47,200	48,000	48,500	49,100	48,900	48,100	47,100	46,800	47,600
Construction	46,000	46,300	47,800	47,100	47,200	48,000	48,500	49,100	48,900	48,100	47,100	46,800	47,600
Building and Heavy Construction	21,900	22,300	22,900	22,600	22,600	22,900	23,600	23,400	23,100	22,600	22,000	21,900	22,700
Specialty Trade Contractors	24,100	24,000	24,900	24,500	24,600	25,100	24,900	25,700	25,800	25,500	25,100	24,900	24,900
Building Equipment Contractors	10,900	10,700	11,100	10,600	10,600	10,700	10,800	10,900	10,800	10,800	10,700	10,800	10,800
Residual-Other Specialty Trade Contractors	13,200	13,300	13,800	13,900	14,000	14,400	14,100	14,800	15,000	14,700	14,400	14,100	14,100
Manufacturing	59,000	59,000	59,100	58,500	57,600	57,200	55,800	55,100	54,000	53,300	52,700	52,400	56,100
Durable Goods	32,000	32,300	32,100	31,600	31,100	30,900	30,200	29,800	29,100	28,500	27,800	27,500	30,200
Computer and Electronic Product Manufacturing	14,500	14,400	14,400	14,400	14,300	14,400	14,200	14,100	13,700	13,600	13,100	13,000	14,000
Residual-Miscellaneous Manufacturing	17,500	17,900	17,700	17,200	16,800	16,500	16,000	15,700	15,400	14,900	14,700	14,500	16,200
Nondurable Goods	27,000	26,700	27,000	26,900	26,500	26,300	25,600	25,300	24,900	24,800	24,900	24,900	25,900
Residual-Food Manufacturing	22,500	22,100	22,400	22,300	21,800	21,600	20,800	20,500	20,100	20,000	20,000	20,000	21,200
Chemical Manufacturing	4,500	4,600	4,600	4,600	4,700	4,700	4,800	4,800	4,800	4,800	4,900	4,900	4,700
Service Providing	970,400	975,300	980,900	965,600	964,400	962,800	942,800	937,100	933,300	924,600	922,100	922,600	950,200
Trade, Transportation and Utilities	190,500	188,600	189,100	187,800	188,100	188,700	187,000	186,300	185,400	182,100	182,800	183,800	186,700
Wholesale Trade	31,500	31,800	31,700	31,400	31,300	31,200	30,900	30,700	30,700	30,600	30,700	30,600	31,100
Merchant Wholesalers, Durable Goods	16,500	16,600	16,500	16,400	16,200	16,100	15,900	15,800	15,800	15,700	15,700	15,600	16,100
Merchant Wholesalers, Nondurable Goods	11,700	11,800	11,800	11,600	11,600	11,600	11,500	11,400	11,400	11,400	11,500	11,500	11,600
Wholesale Electronic Markets and Agents and Brokers	3,300	3,400	3,400	3,400	3,500	3,500	3,500	3,500	3,500	3,500	3,500	3,500	3,500

\*March 2002 Benchmark figures.



**San Francisco MSA**  
**Wage and Salary Employment by Industry**  
(Data Not Seasonally Adjusted)  
Monthly January–December 2001\*

Industry Title	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Avg
Retail Trade	102,900	100,700	101,200	100,200	100,300	101,100	100,700	100,200	99,900	98,100	100,900	103,300	100,800
Residual-Motor Vehicle and Parts Dealer	33,300	33,300	33,400	33,300	33,000	32,600	32,100	31,600	31,700	31,200	31,400	31,500	32,400
Food and Beverage Stores	18,800	18,900	19,100	19,000	19,100	19,300	19,400	19,400	19,400	19,400	20,100	19,800	19,300
Health and Personal Care Stores	7,200	7,200	7,300	7,000	7,100	7,200	7,200	7,200	7,200	7,200	7,300	7,400	7,200
Clothing and Clothing Accessories Stores	15,700	14,600	14,700	14,300	14,300	14,800	15,100	15,000	14,500	14,100	14,900	15,900	14,800
Sporting Goods, Hobby, Book and Music Stores	7,100	7,000	6,900	6,800	6,800	6,900	7,000	7,100	7,200	6,700	7,000	7,300	7,000
Sporting Goods, Hobby and Musical Instrument Stores	3,900	3,800	3,800	3,800	3,900	3,900	4,000	4,000	4,000	3,700	4,100	4,300	3,900
Book, Periodical and Music Stores	3,200	3,200	3,100	3,000	2,900	3,000	3,000	3,100	3,200	3,000	2,900	3,000	3,100
General Merchandise Stores	11,700	10,700	10,700	10,900	11,100	11,400	11,000	11,000	11,100	11,000	11,600	12,600	11,200
Miscellaneous Store Retailers	9,100	9,000	9,100	8,900	8,900	8,900	8,900	8,900	8,800	8,500	8,600	8,800	8,900
Transportation, Warehousing and Utilities	56,100	56,100	56,200	56,200	56,500	56,400	55,400	55,400	54,800	53,400	51,200	49,900	54,800
Utilities	7,500	7,400	7,400	7,400	7,300	7,400	7,100	7,200	7,200	7,200	7,300	7,400	7,300
Transportation and Warehousing	48,600	48,700	48,800	48,800	49,200	49,000	48,300	48,200	47,600	46,200	43,900	42,500	47,500
Air Transportation	24,700	24,700	24,600	24,700	24,700	24,600	24,600	24,700	24,500	23,600	21,700	20,600	24,000
Residual-Rail Transportation	16,600	16,800	16,800	16,600	17,100	17,100	16,500	16,600	16,300	15,700	15,400	15,200	16,400
Couriers and Messengers	7,300	7,200	7,400	7,500	7,400	7,300	7,200	6,900	6,800	6,900	6,800	6,700	7,100
Information	70,000	69,300	68,700	64,000	61,800	61,000	57,100	55,800	54,000	53,900	52,700	52,000	60,000
Publishing Industries (except Internet)	22,900	23,200	23,300	22,900	22,400	22,200	21,700	21,600	21,000	21,600	21,300	21,100	22,100
Motion Picture and Sound Recording	6,300	6,400	6,200	5,900	5,900	5,900	5,800	5,500	5,200	5,200	5,300	5,100	5,700
Broadcasting (except Internet)	4,800	4,800	4,900	4,800	4,700	4,800	4,600	4,500	4,400	4,500	4,500	4,600	4,700
Telecommunications	12,300	12,200	12,200	10,500	10,200	10,200	9,100	9,100	9,000	9,000	8,900	8,700	10,100
Internet Service Providers, Web Search Portals and Data Processing	19,100	18,100	17,900	16,200	15,100	14,600	12,900	12,200	11,700	11,000	10,400	10,200	14,100
Residual-Other Information Services	4,600	4,600	4,200	3,700	3,500	3,300	3,000	2,900	2,700	2,600	2,300	2,300	3,300
Financial Activities	102,600	103,100	104,400	103,900	103,200	103,500	101,600	100,900	100,400	100,100	99,900	99,700	101,900
Finance and Insurance	79,200	79,400	80,400	80,500	79,800	80,000	78,400	77,900	77,500	77,600	77,400	77,200	78,800
Residual-Other Finance	1,900	1,900	1,800	1,900	1,900	1,900	1,900	1,900	1,800	1,800	2,000	1,900	1,900
Credit Intermediation and Related Activities	27,000	27,300	27,800	27,500	27,100	27,500	27,200	27,400	27,500	27,400	27,600	27,500	27,400
Depository Credit Intermediation	18,000	18,300	18,700	18,400	18,200	18,500	18,300	18,400	18,500	18,600	18,700	18,700	18,400
Nondepository Credit Intermediation	4,800	4,800	4,800	4,800	4,800	4,900	5,000	5,100	5,100	5,000	5,000	5,000	4,900
Activities Related to Credit Intermediation	4,100	4,200	4,300	4,300	4,100	4,100	3,900	3,900	3,900	3,800	3,900	3,800	4,000
Securities, Commodity Contracts and Investments	30,300	30,200	30,700	30,900	30,700	30,500	29,600	29,000	28,700	28,900	28,300	28,100	29,700
Insurance Carriers and Related	20,000	20,000	20,100	20,200	20,100	20,100	19,700	19,600	19,500	19,500	19,500	19,700	19,800

\*March 2002 Benchmark figures.



**San Francisco MSA**  
**Wage and Salary Employment by Industry**  
(Data Not Seasonally Adjusted)  
Monthly January–December 2001\*

Industry Title	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Avg
Real Estate and Rental and Leasing	23,400	23,700	24,000	23,400	23,400	23,500	23,200	23,000	22,900	22,500	22,500	22,500	23,200
Real Estate	15,300	15,300	15,500	15,100	15,200	15,300	15,300	15,300	15,200	15,200	15,300	15,500	15,300
Automotive Equipment Rental and Leasing	3,000	3,100	3,100	3,000	3,000	3,000	2,900	2,800	2,700	2,500	2,300	2,200	2,800
Residual-Lessors of Nonfinancial Intangible Assets	5,100	5,300	5,400	5,300	5,200	5,200	5,000	4,900	5,000	4,800	4,900	4,800	5,100
Professional and Business Services	232,200	233,700	233,500	226,100	224,000	223,100	217,500	214,700	210,500	206,100	204,500	204,900	219,200
Professional, Scientific and Technical Services	129,100	129,700	128,900	125,800	123,700	123,300	119,800	117,900	115,300	115,000	113,400	113,300	121,300
Legal Services	18,500	18,700	18,800	19,000	19,100	19,700	19,700	19,500	19,000	19,400	19,400	19,600	19,200
Accounting, Tax Preparation and Bookkeeping Services	11,800	12,000	12,000	11,600	10,900	10,700	10,500	10,200	9,900	9,900	9,700	9,800	10,800
Architectural, Engineering and Related Services	16,600	16,800	17,000	16,900	16,700	16,800	16,600	16,400	16,100	16,400	16,200	16,100	16,600
Computer Systems Design and Related Services	37,800	37,700	37,000	35,100	34,100	33,100	30,800	29,800	29,000	27,900	26,900	26,600	32,200
Management, Scientific and Technical Consulting Services	14,300	14,600	14,400	13,800	13,800	13,800	13,500	13,300	13,000	12,900	12,900	12,900	13,600
Advertising and Related Services	10,300	10,100	9,900	9,600	9,200	9,000	8,500	8,300	8,000	8,200	8,000	7,800	8,900
Residual-Other Professional, Scientific and Technical Services	19,800	19,800	19,800	19,800	19,900	20,200	20,200	20,400	20,300	20,300	20,300	20,500	20,100
Management of Companies and Enterprises	38,400	39,100	39,500	37,900	37,600	37,500	36,900	36,700	36,000	32,800	33,700	34,100	36,700
Administrative and Support and Waste Services	64,700	64,900	65,100	62,400	62,700	62,300	60,800	60,100	59,200	58,300	57,400	57,500	61,300
Administrative and Support Services	62,600	62,800	63,000	60,300	60,700	60,200	58,700	57,900	57,000	56,100	55,300	55,400	59,200
Employment Services	26,700	26,300	26,300	23,900	23,200	23,100	20,700	19,800	19,500	18,800	18,000	17,700	22,000
Investigation and Security Services	5,900	5,800	6,000	5,900	6,100	6,200	6,400	6,600	6,600	6,800	7,000	7,400	6,400
Services to Buildings and Dwellings	14,600	15,000	15,000	14,900	15,100	15,100	15,300	15,300	15,300	15,200	15,100	15,100	15,100
Residual-Other Support Services	15,400	15,700	15,700	15,600	16,300	15,800	16,300	16,200	15,600	15,300	15,200	15,200	15,700
Waste Management and Remediation Services	2,100	2,100	2,100	2,100	2,000	2,100	2,100	2,200	2,200	2,200	2,100	2,100	2,100
Educational and Health Services	92,500	94,800	95,800	96,300	96,600	95,600	95,100	95,200	96,100	97,100	98,300	98,500	96,000
Educational Services	19,800	21,500	21,900	22,300	22,200	20,900	20,300	20,000	21,400	22,800	23,000	22,700	21,600
Residual-Elementary and Secondary Schools	13,500	14,200	14,400	14,600	14,600	14,500	14,200	13,800	14,600	14,900	14,900	15,000	14,400
Colleges, Universities and Professional Schools	6,300	7,300	7,500	7,700	7,600	6,400	6,100	6,200	6,800	7,900	8,100	7,700	7,100
Health Care and Social Assistance	72,700	73,300	73,900	74,000	74,400	74,700	74,800	75,200	74,700	74,300	75,300	75,800	74,400
Ambulatory Health Care Services	27,700	27,900	28,200	28,100	28,500	28,400	28,400	28,600	28,500	28,300	28,400	28,800	28,300
Offices of Physicians	11,500	11,600	11,800	11,700	11,900	11,900	12,100	12,200	12,100	12,500	12,500	12,700	12,600
Residual-Other Ambulatory Health Care Services	16,200	16,300	16,400	16,400	16,600	16,500	16,300	16,400	16,400	15,800	15,900	16,100	16,300
Hospitals	17,400	17,400	17,500	17,400	17,400	17,600	17,700	17,700	17,800	17,500	17,400	17,500	17,500
Nursing and Residential Care Facilities	11,300	11,500	11,500	11,700	11,700	11,800	11,800	12,000	12,000	12,000	12,300	12,300	11,800
Social Assistance	16,300	16,500	16,700	16,800	16,800	16,900	16,900	16,900	16,400	16,500	17,200	17,200	16,800

\*March 2002 Benchmark figures.

**San Francisco MSA**  
**Wage and Salary Employment by Industry**  
 (Data Not Seasonally Adjusted)  
 Monthly January–December 2001\*

Industry Title	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Avg
Leisure and Hospitality	113,200	115,500	117,100	116,100	118,900	119,200	117,100	117,900	116,700	113,700	111,500	111,500	116,700
Arts, Entertainment, and Recreation	16,800	17,700	18,100	17,900	19,400	19,500	19,200	19,700	18,800	18,700	17,400	17,100	18,400
Performing Arts, Spectator Sports	6,300	6,800	7,000	6,700	7,700	7,500	7,000	7,500	7,100	7,200	6,000	5,800	6,900
Residual-Museums, Historical Sites, and Similar Institutions	1,900	2,100	2,200	2,100	2,200	2,200	2,200	2,200	2,100	2,100	2,100	2,100	2,100
Amusement, Gambling, and Recreation	8,600	8,800	8,900	9,100	9,500	9,800	10,000	10,000	9,600	9,400	9,300	9,200	9,400
Accommodation and Food Service	96,400	97,800	99,000	98,200	99,500	99,700	97,900	98,200	97,900	95,000	94,100	94,400	97,300
Accommodation	24,900	24,800	25,000	25,200	25,900	25,500	25,000	24,700	24,700	23,900	23,800	23,800	24,800
Food Services and Drinking Places	71,500	73,000	74,000	73,000	73,600	74,200	72,900	73,500	73,200	71,100	70,300	70,600	72,600
Full-Service Restaurants	38,600	39,300	39,900	39,700	39,800	40,100	39,600	39,800	39,300	38,200	37,700	37,700	39,100
Limited-Service Eating Places	24,000	24,600	24,900	25,500	25,600	25,800	25,500	25,800	25,500	25,000	24,500	24,500	25,100
Special Food Services	5,800	5,800	5,900	4,600	5,000	5,000	4,500	4,600	5,100	4,800	4,800	5,200	5,100
Drinking Places (Alcoholic Beverages)	3,100	3,300	3,300	3,200	3,200	3,300	3,300	3,300	3,300	3,100	3,300	3,200	3,200
Other Services	40,500	41,100	41,700	40,400	40,700	40,900	40,100	39,900	39,800	39,800	39,500	39,400	40,300
Repair and Maintenance	8,900	8,900	9,200	8,900	9,000	9,100	8,900	8,900	8,900	8,800	8,600	8,700	8,900
Personal and Laundry Services	11,000	11,200	11,200	11,100	11,200	11,300	11,000	11,100	11,100	10,900	11,000	11,000	11,100
Religious, Grantmaking, Civic, Professional and Similar Organizations	20,600	21,000	21,300	20,400	20,500	20,500	20,200	19,900	19,800	20,100	19,900	19,700	20,200
Government	128,900	129,200	130,600	131,000	131,100	130,800	127,300	126,400	130,400	131,800	132,900	132,800	130,300
Federal Government	22,400	22,200	22,400	21,700	21,800	21,900	22,700	22,600	22,700	22,300	22,300	22,400	22,300
Other Federal Government	21,900	21,700	21,900	21,200	21,300	21,400	22,200	22,100	22,200	21,800	21,800	21,900	21,800
Department of Defense	500	500	500	500	500	500	500	500	500	500	500	500	500
State and Local Government	106,500	107,000	108,200	109,300	109,300	108,900	104,600	103,800	107,700	109,500	110,600	110,400	108,000
State Government	28,400	28,000	28,800	29,500	28,800	29,300	28,300	28,500	28,900	29,400	30,000	29,600	29,000
State Government Education	16,200	15,700	16,500	17,000	16,500	16,800	15,700	15,900	16,200	16,700	17,200	16,800	16,400
Other State Government	12,200	12,300	12,300	12,500	12,300	12,500	12,600	12,600	12,700	12,700	12,800	12,800	12,500
Local Government	78,100	79,000	79,400	79,800	80,500	79,600	76,300	75,300	78,800	80,100	80,600	80,800	79,000
Local Government Education	33,300	34,600	35,100	34,900	35,400	34,000	30,400	29,500	33,300	34,800	35,300	35,200	33,800
County	7,700	7,700	7,800	7,900	7,900	8,000	7,900	7,800	8,000	8,100	8,000	8,100	7,900
City	33,100	32,600	32,500	32,700	33,000	33,200	33,700	33,700	33,200	33,000	33,200	33,300	33,100
Other Local Government	4,000	4,100	4,000	4,300	4,200	4,400	4,300	4,300	4,300	4,200	4,100	4,200	4,200

\*March 2002 Benchmark figures.

**San Francisco MSA**  
**Wage and Salary Employment by Industry**  
(Data Not Seasonally Adjusted)  
Monthly January–December 2002\*

Industry Title	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Avg
Total, All Industries	991,100	991,700	997,200	995,300	1,000,200	998,900	986,500	988,000	989,600	989,100	991,100	985,700	992,000
Total Farm	3,300	3,300	3,400	3,300	3,600	3,400	3,500	3,500	3,500	3,400	3,500	3,200	3,400
Total Nonfarm	987,800	988,400	993,800	992,000	996,600	995,500	983,000	984,500	986,100	985,700	987,600	982,500	988,600
Total Private	855,800	856,000	859,000	857,200	861,400	860,800	854,500	856,200	855,300	852,800	853,200	848,400	855,900
Goods Producing	95,600	95,800	96,600	95,300	95,900	96,500	95,800	96,600	96,000	95,400	94,500	92,800	95,000
Natural Resources, Mining and Construction	44,600	44,700	45,200	45,000	45,400	46,000	46,200	47,200	46,800	46,400	44,800	43,700	45,500
Construction	44,600	44,700	45,200	45,000	45,400	46,000	46,200	47,200	46,800	46,400	44,800	43,700	45,500
Building and Heavy Construction	21,600	21,600	21,700	21,300	21,400	21,700	22,100	22,400	22,300	22,100	21,100	20,200	21,600
Specialty Trade Contractors	23,000	23,100	23,500	23,700	24,000	24,300	24,100	24,800	24,500	24,300	23,700	23,500	23,900
Building Equipment Contractors	10,300	10,200	10,300	10,100	10,000	10,000	10,200	10,300	10,200	9,800	9,700	9,700	10,100
Residual-Other Specialty Trade Contractors	12,700	12,900	13,200	13,600	14,000	14,300	13,900	14,500	14,300	14,500	14,000	13,800	13,800
Manufacturing	51,000	51,100	51,400	50,300	50,500	50,500	49,600	49,400	49,200	49,000	49,700	49,100	50,100
Durable Goods	27,200	27,100	27,200	26,300	26,400	26,300	25,600	25,600	25,400	25,200	25,400	25,300	26,100
Computer and Electronic Product Manufacturing	12,700	12,600	12,600	11,800	11,800	11,700	11,600	11,500	11,300	11,300	11,300	11,300	11,800
Residual-Miscellaneous Manufacturing	14,500	14,500	14,600	14,500	14,600	14,600	14,000	14,100	14,100	13,900	14,100	14,000	14,300
Nondurable Goods	23,800	24,000	24,200	24,000	24,100	24,200	24,000	23,800	23,800	23,800	24,300	23,800	24,000
Residual-Food Manufacturing	18,700	18,800	19,000	18,800	18,900	19,000	18,700	18,500	18,500	18,500	19,200	18,700	18,800
Chemical Manufacturing	5,100	5,200	5,200	5,200	5,200	5,200	5,300	5,300	5,300	5,300	5,100	5,100	5,200
Service Providing	892,200	892,600	897,200	896,700	900,700	899,000	887,200	887,900	890,100	890,300	893,100	889,700	893,100
Trade, Transportation and Utilities	177,100	175,400	175,300	173,700	174,400	175,400	174,400	174,200	174,000	173,900	176,200	177,300	175,100
Wholesale Trade	29,600	29,700	29,700	29,300	29,400	29,500	29,200	29,200	29,200	29,200	29,200	29,200	29,400
Merchant Wholesalers, Durable Goods	14,900	15,000	15,000	14,700	14,600	14,600	14,500	14,500	14,400	14,400	14,400	14,400	14,600
Merchant Wholesalers, Nondurable Goods	11,300	11,200	11,300	11,200	11,300	11,300	11,200	11,200	11,200	11,100	11,100	11,100	11,200
Wholesale Electronic Markets and Agents and Brokers	3,400	3,500	3,400	3,400	3,500	3,600	3,500	3,500	3,600	3,700	3,700	3,700	3,500

\*March 2002 Benchmark figures.



**San Francisco MSA**  
**Wage and Salary Employment by Industry**  
(Data Not Seasonally Adjusted)  
Monthly January–December 2002\*

Industry Title	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Avg
Retail Trade	98,000	96,300	96,600	95,900	96,300	97,200	96,400	96,400	96,300	96,300	98,600	100,100	97,000
Residual-Motor Vehicle and Parts Dealer	30,500	30,300	30,500	30,500	30,700	30,700	30,100	30,000	30,000	29,700	30,000	30,100	30,300
Food and Beverage Stores	19,300	19,300	19,500	19,300	19,300	19,400	19,400	19,300	19,300	19,200	19,200	19,100	19,300
Health and Personal Care Stores	7,100	7,100	7,100	6,900	7,000	7,000	7,100	7,000	7,000	6,900	7,000	7,100	7,000
Clothing and Clothing Accessories Stores	14,800	13,800	13,900	13,700	13,800	14,400	14,400	14,400	14,200	14,100	14,700	15,100	14,300
Sporting Goods, Hobby, Book and Music Stores	6,900	6,700	6,700	6,400	6,400	6,500	6,400	6,600	6,700	6,600	6,700	6,600	6,600
Sporting Goods, Hobby and Musical Instrument Stores	4,000	3,900	3,900	3,800	3,700	3,800	3,800	3,800	3,900	3,900	4,000	3,900	3,900
Book, Periodical and Music Stores	2,900	2,800	2,800	2,600	2,700	2,700	2,600	2,800	2,800	2,700	2,700	2,700	2,700
General Merchandise Stores	11,000	10,700	10,600	10,700	10,700	10,900	10,900	10,900	10,900	11,300	12,400	13,200	11,200
Miscellaneous Store Retailers	8,400	8,400	8,300	8,400	8,400	8,300	8,100	8,200	8,200	8,500	8,600	8,900	8,400
Transportation, Warehousing and Utilities	49,500	49,400	49,000	48,500	48,700	48,700	48,800	48,600	48,500	48,400	48,400	48,000	48,700
Utilities	7,600	7,700	7,800	7,700	7,700	7,700	8,000	8,000	8,000	8,000	8,100	8,000	7,900
Transportation and Warehousing	41,900	41,700	41,200	40,800	41,000	41,000	40,800	40,600	40,500	40,400	40,300	40,000	40,900
Air Transportation	20,400	20,300	20,100	20,000	20,100	20,100	20,000	20,000	19,900	19,600	19,800	19,700	20,000
Residual-Rail Transportation	15,000	15,000	14,800	14,400	14,500	14,600	14,600	14,500	14,600	14,700	14,600	14,400	14,600
Couriers and Messengers	6,500	6,400	6,300	6,400	6,400	6,300	6,200	6,100	6,000	6,100	5,900	5,900	6,200
Information	51,600	50,900	50,900	50,000	50,300	49,800	49,100	48,800	48,400	48,100	48,000	47,800	49,500
Publishing Industries (except Internet)	21,400	21,500	21,500	21,300	22,200	22,000	22,400	22,200	22,100	22,100	22,300	22,500	22,000
Motion Picture and Sound Recording	5,000	4,800	5,100	5,100	5,000	4,800	4,500	4,700	4,800	4,600	4,700	4,600	4,800
Broadcasting (except Internet)	4,700	4,700	4,700	4,800	4,700	4,700	4,600	4,600	4,600	4,500	4,500	4,500	4,600
Telecommunications	8,800	8,700	8,800	8,500	8,400	8,400	8,100	7,900	7,800	7,700	7,500	7,500	8,200
Internet Service Providers, Web Search Portals and Data Processing	9,500	9,000	8,700	8,400	8,100	8,000	7,700	7,700	7,500	7,700	7,600	7,600	8,100
Residual-Other Information Services	2,200	2,200	2,100	1,900	1,900	1,900	1,800	1,700	1,600	1,500	1,400	1,100	1,800
Financial Activities	97,400	97,100	97,200	96,300	96,300	96,800	95,600	95,900	97,300	97,800	97,600	97,700	96,900
Finance and Insurance	75,500	75,300	75,300	74,200	74,000	74,300	73,300	73,600	75,000	74,900	74,900	74,800	74,600
Residual-Other Finance	2,000	1,800	1,900	2,200	2,300	2,500	2,500	2,400	2,500	2,500	2,500	2,600	2,300
Credit Intermediation and Related Activities	27,500	27,700	27,600	27,200	27,300	27,200	27,300	27,400	27,300	27,200	27,100	27,100	27,300
Depository Credit Intermediation	18,800	18,900	19,000	18,300	18,400	18,200	18,200	18,300	18,300	18,300	18,300	18,200	18,400
Nondepository Credit Intermediation	5,000	5,200	5,300	5,500	5,600	5,600	5,600	5,700	5,600	5,500	5,400	5,500	5,500
Activities Related to Credit Intermediation	3,800	3,600	3,400	3,400	3,300	3,400	3,400	3,400	3,400	3,400	3,400	3,400	3,400
Securities, Commodity Contracts and Investments	27,000	26,700	26,600	25,600	25,400	25,400	24,800	25,000	24,200	24,600	24,700	24,500	25,400
Insurance Carriers and Related	19,000	19,100	19,200	19,200	19,000	19,200	18,700	18,800	21,000	20,600	20,600	20,600	19,600

\*March 2002 Benchmark figures.



**San Francisco MSA**  
**Wage and Salary Employment by Industry**  
 (Data Not Seasonally Adjusted)  
 Monthly January–December 2002\*

Industry Title	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Avg
Real Estate and Rental and Leasing	21,900	21,800	21,900	22,100	22,300	22,500	22,300	22,300	22,300	22,900	22,700	22,900	22,300
Real Estate	15,300	15,300	15,500	15,600	15,700	15,900	15,800	15,700	15,800	16,200	16,100	16,100	15,800
Automotive Equipment Rental and Leasing	2,000	2,000	2,000	2,000	2,000	2,000	2,100	2,100	2,100	2,100	2,100	2,100	2,100
Residual-Lessors of Nonfinancial Intangible Assets	4,600	4,500	4,400	4,500	4,600	4,600	4,400	4,500	4,400	4,600	4,500	4,700	4,500
Professional and Business Services	192,500	192,300	192,300	192,100	191,200	191,000	190,300	190,100	189,100	186,900	186,700	185,400	190,000
Professional, Scientific and Technical Services	110,200	109,900	109,800	109,500	108,400	108,100	107,100	106,500	105,800	104,100	103,900	103,300	107,200
Legal Services	19,000	19,000	18,900	19,200	19,000	19,300	19,400	19,300	19,600	19,700	19,900	19,800	19,300
Accounting, Tax Preparation and Bookkeeping Services	9,900	10,100	10,300	10,100	9,300	9,000	8,500	8,400	8,300	8,100	8,300	8,300	9,100
Architectural, Engineering and Related Services	16,000	16,000	16,000	16,000	16,100	16,100	16,300	16,200	16,100	16,300	16,100	16,200	16,100
Computer Systems Design and Related Services	25,100	24,600	24,400	23,900	23,800	23,500	23,000	22,600	22,300	22,000	21,600	21,300	23,200
Management, Scientific and Technical Consulting Services	12,700	12,700	12,600	12,500	12,500	12,400	12,200	12,100	12,200	12,100	12,200	12,200	12,400
Advertising and Related Services	7,400	7,400	7,200	7,100	7,000	6,900	6,900	6,900	6,800	6,800	6,700	6,700	7,000
Residual-Other Professional, Scientific and Technical Services	20,100	20,100	20,400	20,700	20,700	20,900	20,800	21,000	20,500	19,100	19,100	18,800	20,200
Management of Companies and Enterprises	27,800	28,200	27,900	27,100	26,900	26,900	27,300	27,200	27,100	26,900	27,300	27,200	27,300
Administrative and Support and Waste Services	54,500	54,200	54,600	55,500	55,900	56,000	55,900	56,400	56,200	55,900	55,500	54,900	55,500
Administrative and Support Services	52,300	52,000	52,600	53,300	53,700	53,700	53,500	54,100	53,800	53,500	53,100	52,500	53,200
Employment Services	16,400	15,700	16,000	16,600	16,700	17,000	17,100	17,400	17,600	17,500	17,800	17,900	17,000
Investigation and Security Services	6,900	7,100	7,300	7,100	7,100	6,800	7,000	7,200	6,900	6,700	6,700	6,700	7,000
Services to Buildings and Dwellings	14,700	14,700	14,700	15,100	15,100	15,300	15,100	15,300	15,100	14,900	14,600	14,500	14,900
Residual-Other Support Services	14,300	14,500	14,600	14,500	14,800	14,600	14,300	14,200	14,200	14,400	14,000	13,400	14,300
Waste Management and Remediation Services	2,200	2,200	2,000	2,200	2,200	2,300	2,400	2,300	2,400	2,400	2,400	2,400	2,300
Educational and Health Services	96,100	97,800	98,300	98,200	98,600	96,300	96,100	96,100	97,100	99,100	99,400	98,400	97,600
Educational Services	21,400	22,900	23,300	22,800	22,800	21,100	20,900	20,600	22,000	23,800	23,800	22,900	22,400
Residual-Elementary and Secondary Schools	14,600	14,900	15,200	14,900	15,000	14,600	14,200	13,800	14,500	15,200	15,100	14,600	14,700
Colleges, Universities and Professional Schools	6,800	8,000	8,100	7,900	7,800	6,500	6,700	6,800	7,500	8,600	8,700	8,300	7,600
Health Care and Social Assistance	74,700	74,900	75,000	75,400	75,800	75,200	75,200	75,500	75,100	75,300	75,600	75,500	75,300
Ambulatory Health Care Services	27,900	27,800	27,700	28,000	28,200	28,400	28,200	28,500	28,500	28,800	28,700	28,700	28,300
Offices of Physicians	12,300	12,300	12,400	12,500	12,500	12,600	12,400	12,600	12,600	12,900	13,000	13,200	12,600
Residual-Other Ambulatory Health Care Services	15,600	15,500	15,300	15,500	15,700	15,800	15,800	15,900	15,900	15,900	15,700	15,500	15,700
Hospitals	17,800	17,800	18,000	17,900	17,900	17,800	17,600	17,700	17,800	17,700	18,000	18,100	17,800
Nursing and Residential Care Facilities	12,200	12,200	12,300	12,500	12,600	12,500	12,400	12,400	12,500	12,300	12,400	12,300	12,400
Social Assistance	16,800	17,100	17,000	17,000	17,100	16,500	17,000	16,900	16,300	16,500	16,500	16,400	16,800

\*March 2002 Benchmark figures.

**San Francisco MSA**  
**Wage and Salary Employment by Industry**  
(Data Not Seasonally Adjusted)  
Monthly January–December 2002\*

Industry Title	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Avg
Leisure and Hospitality	106,800	107,700	109,200	112,400	115,300	115,700	113,900	115,300	114,300	112,500	111,300	110,000	112,000
Arts, Entertainment, and Recreation	16,800	16,600	16,900	18,800	19,900	19,800	19,500	19,900	19,200	19,000	18,800	18,200	18,600
Performing Arts, Spectator Sports	5,900	5,400	5,600	7,400	7,900	7,400	7,000	7,300	7,100	6,800	6,400	6,300	6,700
Residual-Museums, Historical Sites, and Similar Institutions	2,000	2,100	2,100	2,300	2,700	2,800	2,800	2,900	2,700	2,900	3,000	2,900	2,600
Amusement, Gambling, and Recreation	8,900	9,100	9,200	9,100	9,300	9,600	9,700	9,700	9,400	9,300	9,400	9,000	9,300
Accommodation and Food Service	90,000	91,100	92,300	93,600	95,400	95,900	94,400	95,400	95,100	93,500	92,500	91,800	93,400
Accommodation	22,500	22,400	22,900	22,800	23,500	23,600	23,600	24,100	23,500	23,100	22,900	22,500	23,100
Food Services and Drinking Places	67,500	68,700	69,400	70,800	71,900	72,300	70,800	71,300	71,600	70,400	69,600	69,300	70,300
Full-Service Restaurants	36,600	37,300	37,900	38,400	38,600	39,000	38,300	38,600	38,700	37,800	37,500	37,200	38,000
Limited-Service Eating Places	23,800	24,000	24,300	25,100	25,500	25,500	25,000	25,200	24,900	24,700	24,600	24,600	24,800
Special Food Services	3,900	4,100	4,100	4,100	4,500	4,600	4,300	4,400	4,800	4,900	4,700	4,900	4,400
Drinking Places (Alcoholic Beverages)	3,200	3,300	3,100	3,200	3,300	3,200	3,200	3,100	3,200	3,000	2,800	2,600	3,100
Other Services	38,700	39,000	39,200	39,200	39,400	39,300	39,300	39,200	39,100	39,100	39,500	39,000	39,200
Repair and Maintenance	8,500	8,500	8,600	8,700	8,700	8,600	9,200	9,200	9,200	9,100	9,400	9,000	8,900
Personal and Laundry Services	10,800	10,800	10,800	10,800	10,800	10,800	10,700	10,700	10,700	10,600	10,600	10,700	10,700
Religious, Grantmaking, Civic, Professional and Similar Organizations	19,400	19,700	19,800	19,700	19,900	19,900	19,400	19,300	19,200	19,400	19,500	19,300	19,500
Government	132,000	132,400	134,800	134,800	135,200	134,700	128,500	128,300	130,800	132,900	134,400	134,100	132,700
Federal Government	22,300	22,200	22,400	22,200	22,300	22,500	22,300	22,100	22,100	22,000	22,000	22,500	22,200
Other Federal Government	21,800	21,700	21,900	21,700	21,800	22,000	21,800	21,600	21,600	21,500	21,500	22,000	21,700
Department of Defense	500	500	500	500	500	500	500	500	500	500	500	500	500
State and Local Government	109,700	110,200	112,400	112,600	112,900	112,200	106,200	106,200	108,700	110,900	112,400	111,600	110,500
State Government	29,700	29,200	30,000	30,200	30,000	30,200	29,100	29,400	29,400	30,100	30,200	30,200	29,800
State Government Education	16,900	16,400	17,100	17,300	17,100	17,200	16,100	16,200	16,300	17,100	17,400	17,200	16,900
Other State Government	12,800	12,800	12,900	12,900	12,900	13,000	13,000	13,200	13,100	13,000	12,800	13,000	13,000
Local Government	80,000	81,000	82,400	82,400	82,900	82,000	77,100	76,800	79,300	80,800	82,200	81,400	80,700
Local Government Education	34,400	35,200	36,400	36,500	37,000	35,600	30,200	29,800	33,000	34,900	36,000	35,400	34,500
County	8,100	8,200	8,200	8,200	8,200	8,300	8,400	8,400	8,400	8,300	8,200	8,300	8,300
City	33,200	33,300	33,500	33,400	33,400	33,700	34,100	33,800	33,400	33,500	33,700	33,600	33,600
Other Local Government	4,300	4,300	4,300	4,300	4,300	4,400	4,400	4,800	4,500	4,100	4,300	4,100	4,300

\*March 2002 Benchmark figures.

# *Projections & Planning Information*

## **Module D:**

# **Projections**





# Table of Contents

## Module D: INDUSTRY AND OCCUPATIONAL PROJECTIONS

Introduction .....	D-v
Descriptions of Industry and Occupational Tables .....	D-viii
Training Level Definitions .....	D-xi
Industry Trends and Outlook .....	D-xii
Table 1: Employment by Major Industry .....	D-1
Table 2: Industry Employment Projections .....	D-2
Table 3: Employment by Major Occupational Group .....	D-4
Table 4: Occupations with the Greatest Absolute Job Growth .....	D-5
Table 5: Occupations with the Fastest Job Growth .....	D-7
Table 6: Occupational Employment Projections .....	D-9
Table 7: Occupations with the Most Openings .....	D-33
Table 8: Occupations with Projected Declines .....	D-35
Appendix .....	End
Alphabetical Index of Occupations	
Standard Industrial Classification Manual (SIC)	
North American Industry Classification System (NAICS)	
Projection Methods and Economic Assumptions	



## Introduction

### to Industry and Occupational Projections

#### Using Projections Data

The projections contained in these tables provide information for estimating job opportunities, developing training programs, and gaining an insight into future employment trends. However, before reaching any final conclusions, the user should consider the following:

***Remember that these data are estimates.***

These data were developed based on the assumption that historical trends will continue into the future. However, events may occur during the seven-year projection period that are impossible to predict. Events such as military base closures, major business closures or openings and natural disasters can all have a major impact on employment levels.

***Do not use these projections as your sole source of information.***

Use other, more recent sources of local economic data to corroborate the projection data. This information may be found in other documents such as those published by the Employment Development Department's Labor Market Information Division, local chambers of commerce, or local economic development agencies.

***Projections employment data are annual averages.*** These averages may not accurately portray seasonal occupations or industries such as those found in agriculture, retail sales, recreation, and construction.

***Employment levels stated reflect workers who are covered by the Unemployment Insurance program.*** As a result, industries that are made up largely of individuals who are self-employed will be understated. Examples include industries such as real

estate, hair salons, and bookkeeping. Occupations such as dental hygienists and consultants will also show an understated level of employment.

#### Industry Projections

Projections by industry forecast the anticipated changes within an industry over time. Forecasts for each county are based on the county's past employment trends and are refined by a review of current economic developments within the local community. The effect of state-level economic trends are also considered.

Industry employment projections utilize industry employment data from both the Current Employment Statistics (CES) program and the Employment Payroll (ES202) program. There is a certain amount of error built into both systems. These errors may include employers classified in the wrong industry, incorrect employment levels reported by the employer and employment reported in the wrong county.

If an industry shows a decrease in future employment, it may be that only one or two industry components are experiencing the decline and other components are still expected to hire new workers. It is best to investigate all sectors of the industry. For example, retail trade has several components: building materials and garden supplies; general merchandise stores; food stores, automotive dealers and service stations; and apparel and accessory stores, to name a few.

Geographical differences account for differing employment opportunities. If an individual is considering relocating from one area of the state to another, the size of the



industry and its expected growth level need to be kept in mind. Small rural counties will not have the same employment possibilities as do the larger metropolitan areas.

### **Knowing Future Industry Trends:**

- helps economic development professionals foster compatible growth and promote the county's strengths,
- helps local government agencies, non-profit agencies, researchers and other interested parties formulate plans and proposals,
- helps people looking for work and those doing counseling and/or job placement to learn about employment opportunities in various industries.

### **Occupational Projections**

Projections by occupation estimate the changes in occupational employment over time resulting from two principal causes—growth and technology. Changes in the number, size and type of employers within a given geographical area will affect the demand for certain occupations. Also, technological advances or changes in laws or regulations may affect the occupational mix.

County occupational projections are prepared for all but the smaller counties which are grouped together to produce projections at the multi-county level.

General changes in the work place affect some occupations. Jobs may be created, eliminated or consolidated because of restructuring or regulations affecting the requirements for the job. For example, personal computers and word processing programs eliminated many typist jobs, but created a need for word processors.

An occupational title does not give details about the occupation. An individual starting a career search may want to look at the various

occupations in this module, choose any that are of interest, and then do further research on the occupation or occupations of choice.

There are other sources of information about specific occupations and the details, such as skills and educational requirements, hourly earnings, benefits, working conditions and advancement opportunities.

Industry staffing patterns used for the projections process are developed from the annual OES Survey of employers. The survey utilizes a sample of the entire universe of Unemployment Insurance (UI) covered employers. Because it is a survey, the following points should be considered:

- There is inherent statistical error as a result of both the sampling process and the level of employer response to the survey mailings.
- The OES staffing patterns may contain errors because of the problems employers may have in completing the survey. These errors typically include misunderstanding of survey instructions, misinterpretation of occupational definitions and/or titles contained on the forms, and clerical errors in filling out the forms.
- The employer's response to the survey may reflect conditions that are atypical. The employer may be experiencing a temporary shutdown, seasonal high or low employment, or a temporary increase in demand for his/her product or service.

Occupational projections data indicate the major local occupations and which occupations are likely to offer the greatest number of job opportunities. When possible, the user should focus on larger groups rather than specific occupations. Some occupations may not appear in published tables because of the very small number of people employed in that



area or because of confidentiality concerns.

Although an occupation may be stable and is not expected to grow, it does not mean that there are no opportunities for employment. All occupations have turnover opportunities—individuals change or leave their jobs permanently for varying reasons. High turnover, especially in occupations that require lower-skill levels, would mean that there are frequent openings even though there is little or no growth.

The occupational projections data are prepared for employment and training planners, vocational educators, and others who need information on future employment by occupation. The outlook information can be used in making occupational training decisions and career choices. Employers considering expansion or relocation may find the data helpful in understanding the occupational composition and trends in a county or geographic region.

### **Additional Sources of Information**

For additional information on economic conditions in a particular county, you may contact the Labor Market Information Division's area consultants who are located in the community and are knowledgeable about the economic activities within the counties that they serve, and the local One Stop locations where additional publications on labor market information may be obtained. Other sources of information include:

- Wage and Salary Employment by Industry
- Bureau of Labor Statistics, Occupational Outlook Handbook
- California Occupational Guides
- Bureau of Labor Statistics, Dictionary of Occupational Titles (DOT)
- California Association for Local Economic Development (CALED)
- Local Chambers of Commerce
- Economic Development Organizations

- Local Newspapers
- Standard Industrial Classification Manual

### **Automated Access**

Electronic access to current data is available through the Employment Development Department's Internet address at:

**<http://www.calmis.ca.gov>**

For technical assistance or additional information about the Employment Development Department's Internet website, please call (916) 262-2162 and select option #2. Customers may also call (916) 262-2162 or FAX (916) 262-2443 to order publications.

## Description of Industry and Occupational Tables

Employment includes nonagricultural wage and salary workers except for self-employed persons, unpaid family workers, private household workers, and those involved in labor-management trade disputes. For the Federal government sector, employment includes all civilian employees regardless of the activities in which they are engaged.

### Industry

An **industry division** refers to a distinct group of private, public, or nonprofit enterprises engaged in producing goods or providing services. With the exception of government, industries are classified by the Standard Industrial Classification (SIC) system. Industries are grouped into ten major categories, according to the economic activity involved. The ten major categories or industry divisions are:

*Agriculture, Forestry, and Fishing (SIC 01–09)* includes establishments primarily engaged in agricultural production, forestry, commercial fishing, hunting and trapping, and related services.

*Mining (SIC 10–14)* includes all establishments involved in the extraction of minerals, crude petroleum, and natural gas. It includes quarrying, well operations, milling, and other related activities.

*Construction (SIC 15–17)* includes establishments engaged in contract construction. This includes new work, additions, alterations, and repairs performed by general and special trade contractors.

*Manufacturing (SIC 20–39)* includes establishments which are usually described as plants, factories, or mills that are engaged in

producing or processing non-durable or durable goods. These characteristically use power-driven machines and material-handling equipment.

*Transportation and Public Utilities (SIC 40–49)* includes enterprises engaged in passenger and freight transportation by surface, water, and air and warehousing and other transportation services. It also includes the communications complex of telephone, telegraph, radio, and television; and the utilities providing gas, electric, and sanitary services.

*Wholesale Trade (SIC 50–51)* includes establishments involved in the selling of merchandise to retailers; to industrial, commercial, farm, construction contractors, or professional business users; or to other wholesalers.

*Retail Trade (SIC 52–59)* includes establishments involved in the selling of merchandise for personal or household consumption and rendering services incidental to the sale of goods.

*Finance, Insurance, and Real Estate (SIC 60–67)* includes savings and loan institutions, banks, and security and commodity brokerages, insurance agencies and carriers, real estate sales and management offices, and rental and planning agencies.

*Services (SIC 70–89)* includes establishments such as hotels, laundries, auto repair shops, theaters, legal services, advertising services, private schools and hospitals, and nonprofit organizations which are engaged in rendering a variety of services to individuals and businesses.



*Government* includes the legislative, judicial, administrative, and regulatory activities of federal, state, local and international governments. It also includes federal, state, and local government hospitals and education.

#### **Table 1: Employment By Major Industry**

This table shows 1999 estimated employment and 2006 projected employment along with the percentage of total employment for each major industry division.

#### **Table 2: Employment by Industry**

This table shows employment and projected employment by industry. The number of jobs is estimated for 1999 and projected for 2006. The column entitled "SIC" lists the Standard Industrial Classification code for each industry grouping. The column labeled "Absolute Change" provides the projected change in employment between 1999 and 2006. The "Percent Change" column is the growth rate over the seven-year period.

### **Occupational**

**Occupational groups** are groups of occupations with similar skills and/or educational requirements, based on the OES groupings. There are over 800 detailed occupations and close to 100 summary level occupations in the Occupational Employment Statistics (OES) classification system. The seven occupational groups are listed below.

*Managers and Administrative* occupations are top and mid-level managers, administrators, and executives. Primary duties are policy making, planning, staffing, directing or controlling the activities of a firm. First-line supervisors are excluded from this category.

*Professional, Paraprofessional, and Technical* occupations are concerned with theoretical or practical aspects of such fields as science, art, education, health, law, and business relations. Professional occupations generally

require long and intensive preparation, while technical occupations work closely with professional personnel and are required to have a combination of basic scientific knowledge and specialized education.

*Sales And Related* occupations are concerned with influencing customers to buy commodities, services, real estate, and investments.

*Clerical And Administrative Support* occupations prepare, transcribe, systematize, and preserve written communications and records; distribute information; and collect accounts.

*Service Occupations* prepare and serve food and drink; provide lodging and related services; provide grooming, cosmetic, and other personal and health care services; maintain and clean clothing and other wearing apparel; provide protection for people and property; attend to the comfort or requests of patrons of amusement and recreation facilities; and perform cleaning and maintenance services in the interiors of buildings.

*Agricultural, Forestry, And Fishing* occupations in this report include only forestry workers, nursery workers, animal caretakers, and gardeners and groundskeepers.

*Production, Construction, Operating, Maintenance, and Material Handling* are skilled, semiskilled, and unskilled workers performing machine and manual tasks involving production, construction, operating maintenance, repair, and material handling operations.

#### **Table 3: Employment by Major Occupational Group**

This table shows 1999 and 2006 employment and projected employment for the seven major occupational groups. The "Percent of Total" column displays the percentage of total employment each major occupational group represents. The "Absolute Change" column

gives the number of job opportunities resulting from the creation of new jobs. "Percent Change" shows the percentage change for each occupational group.

**Table 4: Occupations with the Greatest Absolute Job Growth**

This table lists the 50 occupations that are projected to register the largest absolute change between 1999 and 2006. In general, these occupations are numerically large. Some have average projected rates of growth, but because of their employment size will add significant numbers of new jobs over the 1999–2006 period.

**Table 5: Occupations with the Fastest Job Growth**

This table lists the 50 occupations with the greatest projected percentage increases. It provides a different perspective to future occupational employment changes. It is important to note that some of these occupations are increasing rapidly from relatively small employment levels and are not necessarily found in Table 4.

**Table 6: Occupational Employment Projections**

This table provides occupational detail for up to 800 occupations. Annual average employment in each occupation is shown for 1999 and 2006. The column headed "Absolute Change" presents the number of job opportunities resulting from the creation of new jobs. The "Percent Change" column shows the percentage change for each occupation. The next column, "Openings Due to Separations", shows job opportunities that are created by workers leaving the occupation. Also included in this table is the Occupational Employment Statistics (OES) codes column. It shows the distinctive California OES code for each occupational title.

Each occupation in Table 6 is identified by a line number. The Alphabetical Index of Occupations section found in this module may be used to locate individual occupations in the detailed table. The same line numbers are used in all area reports for 1999–2006. Line numbers may be different for other time periods. Not all line numbers appear in all counties; missing line numbers indicate occupations with no employment or employment below the area's cutoff point for publishing.

**Table 7: Occupations with the Most Openings (Growth plus Separations)**

This table lists the occupations that are projected to register the largest absolute growth and separations between 1999 and 2006. In general, these occupations are numerically large. Some have average projected rates of growth, but because of their employment size will add significant numbers of new job openings over the 1999–2006 period.

**Table 8: Occupations with Projected Decline**

This table lists the occupations that are projected to decline over the 1999–2006 time period. Declining employment is a sign that the occupation has no growth. However, turnover may result in some job opportunities.



# Training Level Definitions

Occupational training and education classifications were developed by the Bureau of Labor Statistics to improve on prior classification systems that did not distinguish between occupations with comparable educational requirements. For example, neither carpenters nor laborers require formal education beyond high school, but the complexity of the work and the training time required results in carpenters being placed in the long-term on-the-job training category and laborers placed in the short-term on-the-job training category. Of course, there is more than one way to qualify for a job. In this classification system, the education and training required reflects the manner in which most workers become proficient in that occupation and the preferences of most employers.

1. **First professional degree.** Occupations that require at least two years of full-time academic study beyond a bachelor's degree (for example, law, medicine, dentistry and clergy).
2. **Doctoral degree.** Occupations that require at least three years of full-time academic study beyond a bachelor's degree culminating in a doctoral degree.
3. **Master's degree.** Occupations that require the completion of a master's degree program, which is usually one to two years beyond a bachelor's degree.
4. **Bachelor's or higher and some work experience.** Occupations that generally require work experience in an occupation requiring a bachelor's or higher degree. Most occupations in this category are managerial occupations that require work experience in a related non-managerial occupation.

5. **Bachelor's degree.** Occupations that require the completion of at least 4 but not more than 5 years of full-time academic study beyond high school resulting in a Bachelor's degree.
6. **Associate degree.** Occupations that require the completion of at least 2 years of full-time academic study beyond high school.
7. **Post-secondary vocational education.** Occupations that require completion of vocational school training.
8. **Work experience.** Occupations that require skills obtained through work experience in a related occupation.
9. **Long-term on-the-job training.** Occupations that require more than 12 months of on-the-job training or combined work experience and formal classroom instruction for workers to develop the skills needed for average job performance.
10. **Moderate-term on-the-job training.** Occupations in which workers can develop average job performance after 1 to 12 months of combined on-the-job experience and informal training.
11. **Short-term on-the-job training.** Occupations in which workers can develop skills needed after a short demonstration or up to one month of on-the-job experience and instruction.

# Industry Trends and Outlook

Marin County will show moderate job growth during the forecast period from 1999 to 2006 as employment grows from 110,300 to 121,600, an increase of 11,300 jobs. This represents overall growth of 10.2 percent, with an average nearly 1.5 percent a year. About three-quarters of the projected job growth will be in the services, retail trade, and construction industry divisions.

The services industry division will add 4,700 jobs between 1999 and 2006. Business services industry will employ 11,600 workers by the end of the forecast period, 800 jobs above the 1999 level. The engineering, management and accounting group will expand by 700 jobs. The amusements category, which includes movie production and movie theaters, as well as private education, will each add 600 jobs. Employment in the health services industry will increase by only 500 jobs, partly because some hospitals have been consolidating services under HMO control, and outpatient services are expanding while hospital stays are reducing. Hotels will add 200 jobs. Other services, which will add 1,400 more jobs during the projection period, will see growth mostly in residential services; individual and family services; child day care services; legal services; and social services.

Retail trade employment will expand by 2,200 jobs during the 1999-2006 period. Restaurants, other eateries and bars will gradually recover from the slowdown that followed September 11, 2001, and they will post an increase of 1,200 jobs by 2006. Gains in grocery stores will create 200 retail jobs. General merchandise stores, apparel and accessory shops, and automotive dealers and services, will each add 100 jobs during the forecast period. The "other retail" category will

show an increase of 500 jobs. In this group, employment is concentrated in the following industries: lumber and building materials; drug stores; radio, television, and electronic stores; sporting goods and bicycle shops; and miscellaneous home furnishing stores.

Construction and mining payrolls will increase by 1,500 jobs between 1999 and 2006 to reach 8,500. This growth reflects the development in the residential housing to meet the need of a growing population.

Government employment will post growth of 900 jobs. Local government is estimated to grow by 900 jobs over the next seven years, with 700 jobs in local education. Federal and state government payrolls, however, are expected to show no change through 2006.

The transportation and public utilities division will add 800 jobs. The transportation sector will account for 500 of those jobs, with gains in local and interurban transportation; trucking and warehousing; water transportation; and air courier services equally share the gains. In the communications and utilities industries, the overall increases from these industries will be 200 jobs.

Manufacturing employment should gain 700 jobs during the seven-year period. Manufacturing represents about four percent of nonfarm employment. Durable goods manufacturing is expected to add 400 jobs while nondurable goods will add 300 jobs. Increases of 100 jobs will occur in each of the following industries: fabricated metal products, industrial machinery, electronic equipment, the "other durable goods" category, food and kindred products, apparel and other textile products, as well as in the combined paper, printing and publishing industries.

Wholesale trade ought to gain 300 jobs by the end of the outlook period. The durable wholesale companies will add 200 jobs while the nondurable wholesale firms will add 100 to their payrolls.

Finance, insurance and real estate payrolls will show an increase of 200 jobs. A gain of 100 jobs will be scattered throughout the finance sector during the forecast period. Insurance and real estate will post a combined increase of 100 jobs by 2006.

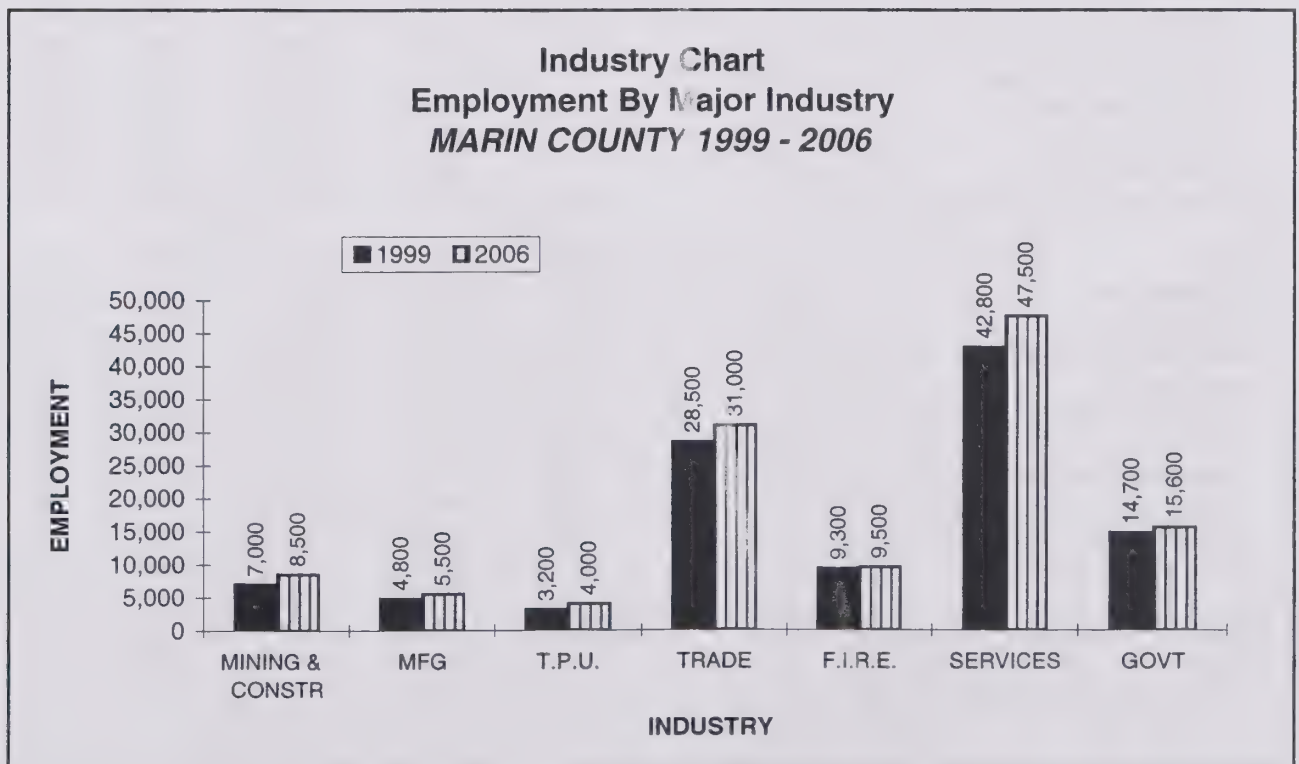




**Table 1**  
**Employment By Major Industry (1)**  
**1999 - 2006 Annual Averages**  
**MARIN COUNTY**

INDUSTRY	1999 (2)	PERCENT OF TOTAL	2006	PERCENT OF TOTAL
<b>TOTAL NONFARM</b>	<b>110,300</b>	<b>100.0%</b>	<b>121,600</b>	<b>100.0%</b>
MINING & CONSTRUCTION	7,000	6.3%	8,500	7.0%
MANUFACTURING	4,800	4.4%	5,500	4.5%
TRANSPORTATION & PUBLIC UTILITIES	3,200	2.9%	4,000	3.3%
TRADE	28,500	25.8%	31,000	25.5%
FINANCE, INSURANCE, & REAL ESTATE	9,300	8.4%	9,500	7.8%
SERVICES	42,800	38.8%	47,500	39.1%
GOVERNMENT	14,700	13.3%	15,600	12.8%

- (1) Employment and projections contained in these tables are considered estimates (see introduction for a full explanation of data limitations). Employment is reported by place of work and excludes self-employed persons, unpaid family workers, domestics, volunteers, and those involved in labor-management trade disputes. These data are based on 1987 Standard Industrial Classifications. Annual average industry detail may not add up to totals due to independent rounding. Government data include all civilian government employees regardless of the activities in which they are engaged.
- (2) March 2000 benchmark.



**Table 2**  
**Industry Employment Projections (1)**  
**1999 - 2006**  
**MARIN COUNTY**

INDUSTRY	SIC	ANNUAL AVERAGES		ABSOLUTE CHANGE	PERCENT CHANGE
		1999 (2)	2006		
<b>TOTAL NONFARM</b>	<b>074, 075, 078, 10-99 except 88</b>	<b>110,300</b>	<b>121,600</b>	<b>11,300</b>	<b>10.2</b>
<b>GOODS PRODUCING</b>	<b>10-39</b>	<b>11,700</b>	<b>14,000</b>	<b>2,300</b>	<b>19.7</b>
<b>MINING &amp; CONSTRUCTION</b>	<b>10-17</b>	<b>7,000</b>	<b>8,500</b>	<b>1,500</b>	<b>21.4</b>
<b>MANUFACTURING</b>	<b>20-39</b>	<b>4,800</b>	<b>5,500</b>	<b>700</b>	<b>14.6</b>
Durable Goods	24,25,32-39	2,300	2,700	400	17.4
Fabricated Metal Products	34	100	200	100	100.0
Industrial Machinery	35	600	700	100	16.7
Electronic Equipment	36	500	600	100	20.0
Instruments & Related Products	38	100	100	0	0.0
Other Durable Goods		1,000	1,100	100	10.0
Nondurable Goods	20-23,26-31	2,500	2,800	300	12.0
Food & Kindred Products	20	300	400	100	33.3
Apparel & Other Textile Products	23	200	300	100	50.0
Paper, Printing & Publishing	26,27	1,500	1,600	100	6.7
Chemicals & Allied Products	28,29	100	100	0	0.0
Other Nondurable Goods		400	400	0	0.0
<b>SERVICE PRODUCING</b>	<b>074, 075, 078, 40-99 except 88</b>	<b>98,600</b>	<b>107,700</b>	<b>9,100</b>	<b>9.2</b>
<b>TRANSPORTATION &amp; PUBLIC UTILITIES</b>	<b>40-42, 44-49</b>	<b>3,200</b>	<b>4,000</b>	<b>800</b>	<b>25.0</b>
Transportation	40-42, 44-47	2,300	2,800	500	21.7
Local & Interurban Passenger Trans.	41	200	300	100	50.0
Trucking & Warehousing	42	800	900	100	12.5
Water Transportation	44	100	200	100	100.0
Air Transportation	45	400	500	100	25.0
Other Transportation		800	900	100	12.5
Communications & Public Utilities	48,49	1,000	1,200	200	20.0
<b>TRADE</b>	<b>50-59</b>	<b>28,500</b>	<b>31,000</b>	<b>2,500</b>	<b>8.8</b>
Wholesale Trade	50,51	4,200	4,500	300	7.1
Wholesale--Durable	50	2,100	2,300	200	9.5
Wholesale--Nondurable	51	2,100	2,200	100	4.8
Retail Trade	52-59	24,300	26,500	2,200	9.1
General Merchandise	53	1,700	1,800	100	5.9
Food Stores	54	3,600	3,800	200	5.6
Automotive Dealers & Service	55	1,800	1,900	100	5.6
Apparel & Accessory Stores	56	1,700	1,800	100	5.9
Eating & Drinking Places	58	8,900	10,100	1,200	13.5
Other Retail Trade		6,600	7,100	500	7.6
<b>FINANCE, INSURANCE &amp; REAL ESTATE</b>	<b>60-65,67</b>	<b>9,300</b>	<b>9,500</b>	<b>200</b>	<b>2.2</b>
Finance	60-62,67	3,200	3,300	100	3.1
Other Finance, Insurance & Real Estate		6,100	6,200	100	1.6

**Table 2**  
**Industry Employment Projections (1)**  
**1999 - 2006**  
**MARIN COUNTY**

INDUSTRY	SIC	ANNUAL AVERAGES		ABSOLUTE CHANGE	PERCENT CHANGE
		1999 (2)	2006		
<b>SERVICES</b>	<b>074, 075, 078, 70-89 except 88</b>	<b>42,800</b>	<b>47,500</b>	<b>4,700</b>	<b>11.0</b>
Hotels & Other Lodging Places	70	700	900	200	28.6
Business Services	73	10,800	11,600	800	7.4
Amusement, Including Movies	78,79	4,100	4,700	600	14.6
Health Services	80	7,600	8,100	500	6.6
Private Educational Service	82	2,600	3,200	600	23.1
Engineering & Management	87	5,100	5,800	700	13.7
Other Services		11,800	13,200	1,400	11.9
<b>GOVERNMENT</b>		<b>14,700</b>	<b>15,600</b>	<b>900</b>	<b>6.1</b>
Federal Government		1,100	1,100	0	0.0
State & Local Government		13,600	14,500	900	6.6
State Government		1,700	1,700	0	0.0
Local Government		11,800	12,700	900	7.6
Local Education		6,500	7,200	700	10.8
Local Noneducation		5,300	5,500	200	3.8

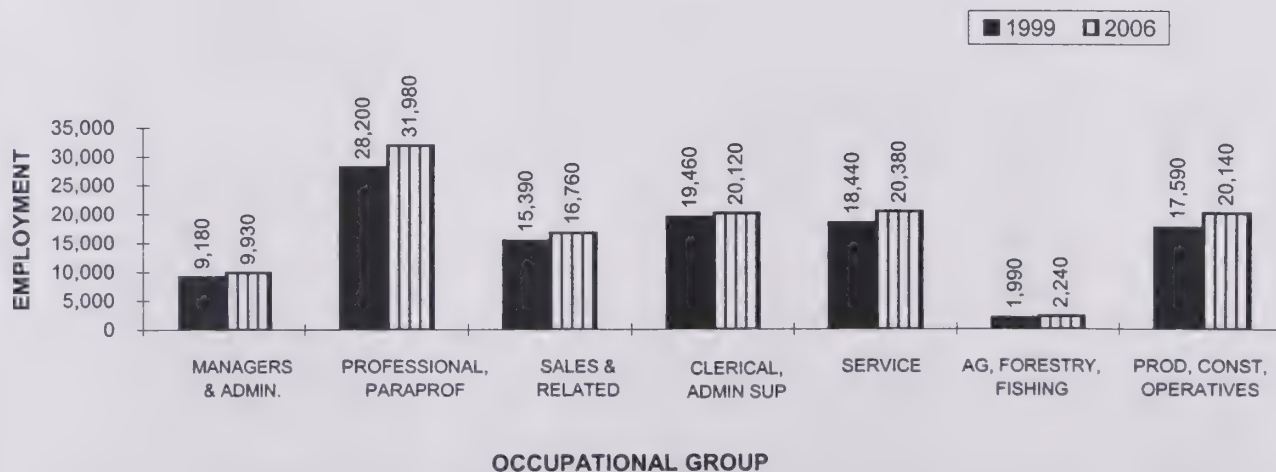
- (1) Employment and projections contained in these tables are considered estimates (see introduction for a full explanation of data limitations). Employment is reported by place of work and excludes self-employed persons, unpaid family workers, domestics, volunteers, and those involved in labor-management trade disputes. These data are based on 1987 Standard Industrial Classifications. Annual average industry detail may not add up to totals due to independent rounding. Government data include all civilian government employees regardless of the activities in which they are engaged.
- (2) March 2000 benchmark.

**Table 3**  
**Employment by Major Occupational Group**  
**1999 - 2006 Annual Averages**  
**MARIN COUNTY**

OCCUPATIONAL GROUP	1999	PERCENT OF TOTAL	2006	PERCENT OF TOTAL	ABSOLUTE CHANGE	PERCENT CHANGE
TOTAL, ALL OCCUPATIONS (1)	110,300	100.0%	121,600	100.0%	11,300	10.2%
MANAGERS AND ADMIN OCCUPATIONS	9,180	8.3%	9,930	8.2%	750	8.2%
PROFESSIONAL, PARAPROF, TECHNICAL	28,200	25.6%	31,980	26.3%	3,780	13.4%
SALES AND RELATED OCCUPATIONS	15,390	14.0%	16,760	13.8%	1,370	8.9%
CLERICAL, ADMINISTRATIVE SUPPORT	19,460	17.6%	20,120	16.5%	660	3.4%
SERVICE OCCUPATIONS	18,440	16.7%	20,380	16.8%	1,940	10.5%
AGRICULTURAL, FORESTRY, FISHING	1,990	1.8%	2,240	1.8%	250	12.6%
PROD, CONST, OPER, MAT HANDLING	17,590	15.9%	20,140	16.6%	2,550	14.5%

(1) Total is based on the March 2000 benchmark.

**Occupational Chart**  
**Employment by Major Occupational Group**  
**MARIN COUNTY 1999 - 2006**





**Table 4**  
**Occupations With The Greatest Absolute Job Growth (1)**  
**1999 - 2006**  
**MARIN COUNTY**

CA OES CODE	OCCUPATION	ANNUAL AVERAGES		NUMBER OF NEW JOBS	PERCENT CHANGE	BLS TRAINING LEVEL	EDUCATION/EXPERIENCE
		1999(2)	2006				
49011	SALESPERSONS, RETAIL	4,850	5,300	450	9.3	11	SHORT-TERM ON-THE-JOB TRAINING
19005	GENERAL MANAGERS, TOP EXECUTIVES	3,720	4,060	340	9.1	4	WORK EXP., PLUS A BACHELOR'S OR HIGHER
49023	CASHIERS	2,900	3,240	340	11.7	11	SHORT-TERM ON-THE-JOB TRAINING
22127	COMPUTER ENGINEERS	890	1,180	290	32.6	5	BACHELOR'S DEGREE
65008	WAITERS AND WAITRESSES	2,130	2,410	280	13.1	11	SHORT-TERM ON-THE-JOB TRAINING
55247	GENERAL OFFICE CLERKS	3,070	3,330	260	8.5	11	SHORT-TERM ON-THE-JOB TRAINING
25102	SYSTEMS ANALYSTS--ELEC DATA PROCESSING	710	960	250	35.2	5	BACHELOR'S DEGREE
87102	CARPENTERS	1,370	1,610	240	17.5	9	LONG-TERM ON-THE-JOB TRAINING
31305	TEACHERS--ELEMENTARY SCHOOL	2,030	2,240	210	10.3	5	BACHELOR'S DEGREE
25104	COMPUTER SUPPORT SPECIALISTS	530	730	200	37.7	5	BACHELOR'S DEGREE
31521	TEACHER AIDES, PARAPROFESSIONAL	740	930	190	25.7	6	ASSOCIATE DEGREE
41002	FIRST-LINE SUP/MGR--SALES	1,780	1,970	190	10.7	8	WORK EXPERIENCE
79041	LABORERS, LANDSCAPING/GROUNDSKEEPING	1,490	1,680	190	12.8	11	SHORT-TERM ON-THE-JOB TRAINING
65041	COMBINED FOOD PREP AND SERVICE	1,580	1,760	180	11.4	11	SHORT-TERM ON-THE-JOB TRAINING
87402	PAINTERS, PAPERHANGERS--CONST	750	930	180	24.0	10	MODERATE-TERM ON-THE-JOB TRAINING
97105	TRUCK DRIVERS, LIGHT	990	1,160	170	17.2	11	SHORT-TERM ON-THE-JOB TRAINING
65026	COOKS--RESTAURANT	1,010	1,170	160	15.8	9	LONG-TERM ON-THE-JOB TRAINING
31308	TEACHERS--SECONDARY SCHOOL	780	920	140	17.9	5	BACHELOR'S DEGREE
34056	PRODUCERS, DIRECTORS, ACTORS	730	870	140	19.2	9	LONG-TERM ON-THE-JOB TRAINING
32502	REGISTERED NURSES	1,400	1,530	130	9.3	6	ASSOCIATE DEGREE
51002	FIRST-LINE SUP/MGR, CLERK, ADM SUP	1,740	1,870	130	7.5	8	WORK EXPERIENCE
55305	RECEPTIONISTS, INFORMATION CLERKS	1,580	1,710	130	8.2	11	SHORT-TERM ON-THE-JOB TRAINING
67005	JANITORS, CLEANERS--EXCEPT MAIDS	1,940	2,060	120	6.2	11	SHORT-TERM ON-THE-JOB TRAINING
97102	TRUCK DRIVERS, HEAVY	620	740	120	19.4	11	SHORT-TERM ON-THE-JOB TRAINING
49017	COUNTER AND RENTAL CLERKS	670	780	110	16.4	11	SHORT-TERM ON-THE-JOB TRAINING



**Table 4**  
**Occupations With The Greatest Absolute Job Growth (1)**  
**1999 - 2006**  
**MARIN COUNTY**

CA OES CODE	OCCUPATION	ANNUAL AVERAGES		NUMBER OF NEW JOBS	PERCENT CHANGE	BLS TRAINING LEVEL	EDUCATION/EXPERIENCE
		1999(2)	2006				
87202	ELECTRICIANS	540	650	110	20.4	9	LONG-TERM ON-THE-JOB TRAINING
65038	FOOD PREPARATION WORKERS	1,130	1,230	100	8.8	11	SHORT-TERM ON-THE-JOB TRAINING
27308	HUMAN SERVICES WORKERS	280	370	90	32.1	10	MODERATE-TERM ON-THE-JOB TRAINING
31321	INSTRUCTORS AND COACHES-SPORTS	500	590	90	18.0	10	MODERATE-TERM ON-THE-JOB TRAINING
53905	TEACHER AIDES & EDUC ASSTS-CLERICAL	560	650	90	16.1	11	SHORT-TERM ON-THE-JOB TRAINING
31303	TEACHERS, PRESCHOOL	630	710	80	12.7	5	BACHELOR'S DEGREE
63017	CORRECTION OFFICERS, JAILERS	360	440	80	22.2	9	LONG-TERM ON-THE-JOB TRAINING
85302	AUTOMOTIVE MECHANICS	800	880	80	10.0	9	LONG-TERM ON-THE-JOB TRAINING
15017	CONSTRUCTION MANAGERS	320	390	70	21.9	5	BACHELOR'S DEGREE
28108	LAWYERS	510	580	70	13.7	1	FIRST PROFESSIONAL DEGREE
31311	TEACHERS- SPECIAL EDUCATION	280	350	70	25.0	5	BACHELOR'S DEGREE
49008	SALES REPS- NON SCIENTIFIC EX-RETAIL	940	1,010	70	7.4	10	MODERATE-TERM ON-THE-JOB TRAINING
66008	NURSE AIDES, ORDERLIES, ATTENDANTS	840	910	70	8.3	11	SHORT-TERM ON-THE-JOB TRAINING
13011	MKTNG, ADV, PUB-REL MANAGERS	650	710	60	9.2	4	WORK EXP. PLUS A BACHELOR'S OR HIGHER
13017	ENGINEER, MATH AND NAT SCI MGRS	290	350	60	20.7	4	WORK EXP. PLUS A BACHELOR'S OR HIGHER
31314	TEACHERS--VOC ED AND TRAINING	440	500	60	13.6	8	WORK EXPERIENCE
63014	POLICE PATROL OFFICERS	390	450	60	15.4	9	LONG-TERM ON-THE-JOB TRAINING
66002	DENTAL ASSISTANTS	390	450	60	15.4	10	MODERATE-TERM ON-THE-JOB TRAINING
67002	MAIDS AND HOUSEKEEPING CLEANERS	540	600	60	11.1	11	SHORT-TERM ON-THE-JOB TRAINING
68035	PERSONAL AND HOME CARE AIDES	330	390	60	18.2	11	SHORT-TERM ON-THE-JOB TRAINING
68038	CHILD CARE WORKERS	450	510	60	13.3	11	SHORT-TERM ON-THE-JOB TRAINING
81005	FIRST-LINE SUP/MGR-CONSTRUCTION	270	330	60	22.2	8	WORK EXPERIENCE
85132	MAINT REPAIRERS, GENL UTILITY	840	900	60	7.1	9	LONG-TERM ON-THE-JOB TRAINING
93956	ASSEMB, FABRICATORS-EX MACH, ELECT	360	420	60	16.7	11	SHORT-TERM ON-THE-JOB TRAINING
98312	HELPERS- CARPENTERS AND RELATED	260	320	60	23.1	11	SHORT-TERM ON-THE-JOB TRAINING
TOTAL OF THESE OCCUPATIONS		52,900	59,830	6,930	13.1		

(1) Excludes not elsewhere classified (NEC) categories.

(2) March 2000 Benchmark



**Table 5**  
**Occupations With The Fastest Job Growth (1)**  
**1999 - 2006**  
**MARIN COUNTY**

CA OES CODE	OCCUPATION	ANNUAL AVERAGES		NUMBER OF NEW JOBS	PERCENT CHANGE	BLS TRAINING LEVEL	EDUCATION/EXPERIENCE
		1999(2)	2006				
25104	COMPUTER SUPPORT SPECIALISTS	530	730	200	37.7	5	BACHELOR'S DEGREE
25102	SYSTEMS ANALYSTS--ELEC DATA PROCESSING	710	960	250	35.2	5	BACHELOR'S DEGREE
97114	TAXI DRIVERS AND CHAUFFEURS	120	160	40	33.3	11	SHORT-TERM ON-THE-JOB TRAINING
31517	INSTRUCTIONAL COORDINATORS	90	120	30	33.3	5	BACHELOR'S DEGREE
22127	COMPUTER ENGINEERS	890	1,180	290	32.6	5	BACHELOR'S DEGREE
27308	HUMAN SERVICES WORKERS	280	370	90	32.1	10	MODERATE-TERM ON-THE-JOB TRAINING
87311	CONCRETE AND TERRAZZO FINISHERS	100	130	30	30.0	9	LONG-TERM ON-THE-JOB TRAINING
93905	ELECTRICAL ELECTRONIC ASSEMBLERS	100	130	30	30.0	11	SHORT-TERM ON-THE-JOB TRAINING
28305	PARALEGAL PERSONNEL	140	180	40	28.6	6	ASSOCIATE DEGREE
85702	TELEPHONE CABLE TV INSTALLERS	180	230	50	27.8	9	LONG-TERM ON-THE-JOB TRAINING
89132	SHEET METAL WORKERS	110	140	30	27.3	10	MODERATE-TERM ON-THE-JOB TRAINING
98314	HELPERS--PAINTERS AND RELATED	110	140	30	27.3	11	SHORT-TERM ON-THE-JOB TRAINING
31521	TEACHER AIDES, PARAPROFESSIONAL	740	930	190	25.7	6	ASSOCIATE DEGREE
31311	TEACHERS--SPECIAL EDUCATION	280	350	70	25.0	5	BACHELOR'S DEGREE
32314	SPEECH PATHOLOGISTS, AUDIOLOGISTS	80	100	20	25.0	3	MASTER'S DEGREE
87402	PAINTERS, PAPERHANGERS--CONSTRUCTION	750	930	180	24.0	10	MODERATE-TERM ON-THE-JOB TRAINING
25103	DATA BASE ADMINISTRATORS	170	210	40	23.5	5	BACHELOR'S DEGREE
98312	HELPERS--CARPENTERS AND RELATED	260	320	60	23.1	11	SHORT-TERM ON-THE-JOB TRAINING
53805	RESERVATION TRANS TICKET AGENTS	130	160	30	23.1	11	SHORT-TERM ON-THE-JOB TRAINING
63017	CORRECTION OFFICERS--JAILERS	360	440	80	22.2	9	LONG-TERM ON-THE-JOB TRAINING
81005	FIRST-LINE SUP/MGR-CONSTRUCTION	270	330	60	22.2	8	WORK EXPERIENCE
85902	HEATING, AC, REFRIG MECHANICS	90	110	20	22.2	9	LONG-TERM ON-THE-JOB TRAINING
15017	CONSTRUCTION MANAGERS	320	390	70	21.9	5	BACHELOR'S DEGREE
31317	INSTRUCTORS--NON-VOC EDUCATION	230	280	50	21.7	8	WORK EXPERIENCE
21902	COST ESTIMATORS	140	170	30	21.4	8	WORK EXPERIENCE



**Table 5**  
**Occupations With The Fastest Job Growth (1)**  
**1999 - 2006**  
**MARIN COUNTY**

CA OES CODE	OCCUPATION	ANNUAL AVERAGES		NUMBER OF NEW JOBS	PERCENT CHANGE	BLS TRAINING LEVEL	EDUCATION/EXPERIENCE
		1999(2)	2006				
81008	FIRST-LINE SUP/MGR-PRODUCTION	140	170	30	21.4	8	WORK EXPERIENCE
13017	ENGINEER, MATH. AND NAT SCI MGRS	290	350	60	20.7	4	WORK EXP. PLUS A BACHELOR'S OR HIGHER
87202	ELECTRICIANS	540	650	110	20.4	9	LONG-TERM ON-THE-JOB TRAINING
31214	ENGLISH LANG & LIT TEACHERS, POSTSEC	100	120	20	20.0	2	DOCTORAL DEGREE
34028	BROADCAST TECHNICIANS	100	120	20	20.0	7	POST-SECONDARY VOCATIONAL EDUCATION
34032	FILM EDITORS	100	120	20	20.0	5	BACHELOR'S DEGREE
97102	TRUCK DRIVERS, HEAVY	620	740	120	19.4	11	SHORT-TERM ON-THE-JOB TRAINING
34056	PRODUCERS, DIRECTORS, ACTORS	730	870	140	19.2	9	LONG-TERM ON-THE-JOB TRAINING
65032	COOKS--SPECIALTY FAST FOOD	210	250	40	19.0	11	SHORT-TERM ON-THE-JOB TRAINING
68035	PERSONAL AND HOME CARE AIDES	330	390	60	18.2	11	SHORT-TERM ON-THE-JOB TRAINING
58005	DISPATCH-EX POLICE, FIRE, AMBULANCE	110	130	20	18.2	10	MODERATE-TERM ON-THE-JOB TRAINING
97947	INDUSTRIAL TRUCK TRACTOR OPERATORS	110	130	20	18.2	11	SHORT-TERM ON-THE-JOB TRAINING
31321	INSTRUCTORS AND COACHES--SPORTS	500	590	90	18.0	10	MODERATE-TERM ON-THE-JOB TRAINING
31308	TEACHERS--SECONDARY SCHOOL	780	920	140	17.9	5	BACHELOR'S DEGREE
63032	SHERIFFS AND DEPUTY SHERIFFS	170	200	30	17.6	9	LONG-TERM ON-THE-JOB TRAINING
87102	CARPENTERS	1,370	1,610	240	17.5	9	LONG-TERM ON-THE-JOB TRAINING
97105	TRUCK DRIVERS, LIGHT	990	1,160	170	17.2	11	SHORT-TERM ON-THE-JOB TRAINING
93956	ASSEMB, FABRICATORS--EX MACH, ELECT	360	420	60	16.7	11	SHORT-TERM ON-THE-JOB TRAINING
34038	DESIGNERS, EX INTERIOR DESIGNERS	240	280	40	16.7	5	BACHELOR'S DEGREE
79017	ANIMAL CARETAKERS--EXCEPT FARM	180	210	30	16.7	11	SHORT-TERM ON-THE-JOB TRAINING
21111	TAX PREPARERS	120	140	20	16.7	11	SHORT-TERM ON-THE-JOB TRAINING
57305	POSTAL MAIL CARRIERS	120	140	20	16.7	11	SHORT-TERM ON-THE-JOB TRAINING
87808	ROOFERS	120	140	20	16.7	10	MODERATE-TERM ON-THE-JOB TRAINING
89311	CABINETMAKERS AND BENCH CARPENTERS	120	140	20	16.7	9	LONG-TERM ON-THE-JOB TRAINING
92717	SEWING MACHINE OPERATORS--GARMENT	120	140	20	16.7	10	MODERATE-TERM ON-THE-JOB TRAINING
<b>TOTAL OF THESE OCCUPATIONS</b>		<b>15,750</b>	<b>19,320</b>	<b>3,570</b>	<b>22.7</b>		

(1) Excludes not elsewhere classified (NEC) categories and occupations of less than 100 in 2006.

(2) March 2000 Benchmark



**Table 6**  
**Occupational Employment Projections (1)**  
**1999 - 2006**  
**MARIN COUNTY**

LINE #	CA OES CODE	OCCUPATION	ANNUAL AVERAGES		ABSOLUTE CHANGE	PERCENT CHANGE	OPENINGS DUE TO SEPARATIONS	BLS TRAINING LEVEL	EDUCATION/EXPERIENCE
			1999 (2)	2006					
1		TOTAL, ALL OCCUPATIONS	110,300	121,600	11,300	10.2	19,830		
2	10000	MGRS AND ADMIN OCCUPATIONS	9,180	9,930	750	8.2	1,150		
3	13002	FINANCIAL MANAGERS	800	850	50	6.3	90	4	WORK EXP., PLUS A BACHELOR'S OR HIGHER
4	13005	PERS, TRAINING, LABOR-REL MGRS	170	180	10	5.9	30	4	WORK EXP., PLUS A BACHELOR'S OR HIGHER
5	13008	PURCHASING MANAGERS	160	160	0	0.0	30	4	WORK EXP., PLUS A BACHELOR'S OR HIGHER
6	13011	MKTING, ADV, PUB-REL MANAGERS	650	710	60	9.2	60	4	WORK EXP., PLUS A BACHELOR'S OR HIGHER
7	13014	ADMINISTRATIVE SERVICES MANAGERS	470	510	40	8.5	60	4	WORK EXP., PLUS A BACHELOR'S OR HIGHER
8	13017	ENGINEER, MATH, AND NAT SCI MGRS	290	350	60	20.7	40	4	WORK EXP., PLUS A BACHELOR'S OR HIGHER
10	15005	EDUCATION ADMINISTRATORS	380	420	40	10.5	70	4	WORK EXP., PLUS A BACHELOR'S OR HIGHER
11	15008	MEDICINE, HEALTH SERVICES MGRS	160	180	20	12.5	20	4	WORK EXP., PLUS A BACHELOR'S OR HIGHER
12	15011	PROPERTY AND REAL ESTATE MANAGERS	210	220	10	4.8	20	5	BACHELOR'S DEGREE
13	15014	INDUSTRIAL PRODUCTION MANAGERS	60	60	0	0.0	10	5	BACHELOR'S DEGREE
14	15017	CONSTRUCTION MANAGERS	320	390	70	21.9	40	5	BACHELOR'S DEGREE
16	15023	COMM, TRANS, UTIL OPER MGRS	130	150	20	15.4	20	4	WORK EXP., PLUS A BACHELOR'S OR HIGHER
17	15026	FOOD SERVICE AND LODGING MANAGERS	260	290	30	11.5	30	8	WORK EXPERIENCE
21	19005	GENERAL MANAGERS, TOP EXECUTIVES	3,720	4,060	340	9.1	470	4	WORK EXP., PLUS A BACHELOR'S OR HIGHER
22	19999	MANAGERS AND ADMINISTRATORS, NEC	1,400	1,400	0	0.0	160	4	WORK EXP., PLUS A BACHELOR'S OR HIGHER
23	20000	PROFESSIONAL, PARAPROF, TECHNICAL	28,200	31,980	3,780	13.4	4,030		
24	21000	MANAGEMENT SUPPORT OCCUPATIONS	4,190	4,490	300	7.2	590		

**Table 6**  
**Occupational Employment Projections (1)**  
**1999 - 2006**  
**MARIN COUNTY**

LINE #	CA OES CODE	OCCUPATION	ANNUAL AVERAGES		ABSOLUTE CHANGE	PERCENT CHANGE	OPENINGS DUE TO SEPARATIONS	BLS TRAINING LEVEL	EDUCATION/EXPERIENCE
			1999 (2)	2006					
25	21100	ACCOUNTANTS, AUDIT, FINANCE SPECS	2,210	2,330	120	5.4	310		
26	21102	INSURANCE UNDERWRITERS	180	180	0	0.0	40	5	BACHELOR'S DEGREE
27	21105	CREDIT ANALYSTS	40	40	0	0.0	10	5	BACHELOR'S DEGREE
28	21108	LOAN OFFICERS AND COUNSELORS	140	150	10	7.1	20	5	BACHELOR'S DEGREE
29	21111	TAX PREPARERS	120	140	20	16.7	20	11	SHORT-TERM ON-THE-JOB TRAINING
30	21114	ACCOUNTANTS AND AUDITORS	1,190	1,240	50	4.2	130	5	BACHELOR'S DEGREE
31	21117	BUDGET ANALYSTS	50	50	0	0.0	10	5	BACHELOR'S DEGREE
32	21199	FINANCIAL SPECIALISTS, NEC	490	530	40	8.2	80	5	BACHELOR'S DEGREE
33	21300	PURCHASING AGENTS AND BUYERS	230	240	10	4.3	40		
34	21302	WHLE AND RET BUYERS--EX FARM PRODS	110	110	0	0.0	20	5	BACHELOR'S DEGREE
36	21308	PURCH AGTS--EX WHLE,RET,FARM PRODS	120	130	10	8.3	20	5	BACHELOR'S DEGREE
37	21500	PERS, TRAINING, LAB-REL SPECS	340	370	30	8.8	70		
40	21508	EMPL INTERVIEWERS--PRIV OR PUB	50	50	0	0.0	10	5	BACHELOR'S DEGREE
41	21511	PERS, TRAINING, LAB-REL SPECS, NEC	290	320	30	10.3	60	5	BACHELOR'S DEGREE
42	21900	OTHER MANAGEMENT SUPPORT WORKERS	1,410	1,550	140	9.9	170		
43	21902	COST ESTIMATORS	140	170	30	21.4	10	8	WORK EXPERIENCE
44	21905	MANAGEMENT ANALYSTS	200	220	20	10.0	10	3	MASTER'S DEGREE
45	21908	CONST AND BUILDING INSPECTORS	50	50	0	0.0	10	8	WORK EXPERIENCE
46	21911	COMPL, ENFORCE INSPECT--EX CONST	160	180	20	12.5	20	8	WORK EXPERIENCE
50	21999	MANAGEMENT SUPPORT WORKERS, NEC	860	930	70	8.1	120	5	BACHELOR'S DEGREE
51	22000	ENGINEERS, ARCHITECTS, SURVEYORS	2,830	3,310	480	17.0	350		

**Table 6**  
**Occupational Employment Projections (1)**  
**1999 - 2006**  
**MARIN COUNTY**

LINE #	CA OES CODE	OCCUPATION	ANNUAL AVERAGES		ABSOLUTE CHANGE	PERCENT CHANGE	OPENINGS DUE TO SEPARATIONS	BLS TRAINING LEVEL	EDUCATION/EXPERIENCE
			1999 (2)	2006					
52	22100	ENGINEERS	1,910	2,310	400	20.9	200		
59	22121	CIVIL ENGINEERS--INCLUDING TRAFFIC	340	370	30	8.8	50	5	BACHELOR'S DEGREE
61	22126	ELECT AND ELECTRONIC ENGINEERS	250	290	40	16.0	40	5	BACHELOR'S DEGREE
62	22127	COMPUTER ENGINEERS	890	1,180	290	32.6	40	5	BACHELOR'S DEGREE
63	22128	INDUST ENGINEERS--EXCEPT SAFETY	40	40	0	0.0	0	5	BACHELOR'S DEGREE
65	22135	MECHANICAL ENGINEERS	100	110	10	10.0	10	5	BACHELOR'S DEGREE
67	22199	ENGINEERS, NEC	290	320	30	10.3	60	5	BACHELOR'S DEGREE
68	22300	ARCHITECTS AND SURVEYORS	220	240	20	9.1	30		
69	22302	ARCHITECTS--EX LANDSCAPE, MARINE	160	170	10	6.3	20	5	BACHELOR'S DEGREE
71	22308	LANDSCAPE ARCHITECTS	60	70	10	16.7	10	5	BACHELOR'S DEGREE
73	22500	ENGINEERING, RELATED TECHNICIANS	700	760	60	8.6	120		
74	22502	CIVIL ENGINEERING TECHNICIANS	70	80	10	14.3	10	6	ASSOCIATE DEGREE
75	22505	ELECT, ELECTRONIC ENGINEERING TECH	190	210	20	10.5	30	6	ASSOCIATE DEGREE
78	22514	DRAFTERS	250	270	20	8.0	40	7	POST-SECONDARY VOCATIONAL EDUCATION
80	22521	SURVEYING AND MAPPING TECHS	30	30	0	0.0	10	7	POST-SECONDARY VOCATIONAL EDUCATION
81	22599	ENGINEERING, RELATED TECHS, NEC	160	170	10	6.3	30	6	ASSOCIATE DEGREE
82	24000	NAT SCIENTISTS AND RELATED WORKERS	270	310	40	14.8	50		
83	24100	PHYSICAL SCIENTISTS	60	70	10	16.7	10		
88	24199	PHYSICAL SCIENTISTS, NEC	60	70	10	16.7	10	5	BACHELOR'S DEGREE
89	24300	LIFE SCIENTISTS	140	170	30	21.4	30		
92	24308	BIOLOGICAL SCIENTISTS	50	70	20	40.0	10	2	DOCTORAL DEGREE



**Table 6**  
**Occupational Employment Projections (1)**  
**1999 - 2006**  
**MARIN COUNTY**

LINE #	CA OES CODE	OCCUPATION	ANNUAL AVERAGES		ABSOLUTE CHANGE	PERCENT CHANGE	OPENINGS DUE TO SEPARATIONS	BLS TRAINING LEVEL	EDUCATION/EXPERIENCE
			1999 (2)	2006					
93	24311	MEDICAL SCIENTISTS	40	50	10	25.0	10	2	DOCTORAL DEGREE
94	24399	LIFE SCIENTISTS, NEC	50	50	0	0.0	10	2	DOCTORAL DEGREE
95	24500	PHYSICAL, LIFE SCIENCE TECHS	70	70	0	0.0	10		
100	24599	PHYSICAL, LIFE SCIENCE TECHS, NEC	70	70	0	0.0	10	6	ASSOCIATE DEGREE
101	25000	COMPUTER, MATH, OPS RESRCH, RELATE	2,730	3,310	580	21.2	330		
102	25100	COMPUTER SCIENTISTS AND RELATED	2,560	3,140	580	22.7	310		
103	25102	SYSTEMS ANALYSTS--ELEC DATA PROC	710	960	250	35.2	40	5	BACHELOR'S DEGREE
104	25103	DATA BASE ADMINISTRATORS	170	210	40	23.5	20	5	BACHELOR'S DEGREE
105	25104	COMPUTER SUPPORT SPECIALISTS	530	730	200	37.7	30	5	BACHELOR'S DEGREE
106	25105	COMPUTER PROGRAMMERS	900	910	10	1.1	200	5	BACHELOR'S DEGREE
107	25108	COMPUTER PROGRAMMER AIDES	60	50	-10	-16.7	10	5	BACHELOR'S DEGREE
109	25199	COMPUTER SCIENTISTS, REL WRKRS, NEC	190	280	90	47.4	10	5	BACHELOR'S DEGREE
110	25300	MATH SCIENTISTS AND RELATED	170	170	0	0.0	20		
111	25302	OPS, SYS RESEARCHERS--EX COMPUTER	60	50	-10	-16.7	10	3	MASTER'S DEGREE
115	25315	FINANCIAL ANALYSTS, STATISTICAL	110	120	10	9.1	10	5	BACHELOR'S DEGREE
118	27000	SOCIAL SCI, RECREATION, RELIGIOUS	1,790	2,050	260	14.5	280		
119	27100	SOCIAL SCI--INCL URBAN, REG PLNERS	280	320	40	14.3	50		
120	27102	ECONOMISTS--INCL MKT RESRCH ANALYS	100	110	10	10.0	20	5	BACHELOR'S DEGREE
121	27105	URBAN AND REGIONAL PLANNERS	70	80	10	14.3	10	3	MASTER'S DEGREE
122	27108	PSYCHOLOGISTS	80	90	10	12.5	10	3	MASTER'S DEGREE
123	27199	SOCIAL SCIENTISTS, NEC	30	40	10	33.3	10	3	MASTER'S DEGREE

**Table 6**  
**Occupational Employment Projections (1)**  
**1999 - 2006**  
**MARIN COUNTY**

LINE #	CA OES CODE	OCCUPATION	ANNUAL AVERAGES		ABSOLUTE CHANGE	PERCENT CHANGE	OPENINGS DUE TO SEPARATIONS	BLS TRAINING LEVEL	EDUCATION/EXPERIENCE
			1999 (2)	2006					
124	27300	OTH SOCIAL SCIENCE RELATED WORKERS	1,410	1,620	210	14.9	220		
125	27302	SOCIAL WORKERS--MED, PSYCHIATRIC	280	310	30	10.7	30	3	MASTER'S DEGREE
126	27305	SOCIAL WKRS--EX MED, PSYCHIATRIC	300	340	40	13.3	30	5	BACHELOR'S DEGREE
127	27307	RESIDENTIAL COUNSELORS	300	340	40	13.3	50	5	BACHELOR'S DEGREE
128	27308	HUMAN SERVICES WORKERS	280	370	90	32.1	60	10	MODERATE-TERM ON-THE-JOB TRAINING
129	27311	RECREATION WORKERS	250	260	10	4.0	50	5	BACHELOR'S DEGREE
130	27500	RELIGIOUS WORKERS	100	110	10	10.0	10		
131	27502	CLERGY	70	80	10	14.3	10	1	FIRST PROFESSIONAL DEGREE
132	27505	DIRECTORS--RELIG ACTIVITIES, EDUC	30	30	0	0.0	0	5	BACHELOR'S DEGREE
134	28000	LAW AND RELATED OCCUPATIONS	850	970	120	14.1	60		
135	28100	LAWYERS AND RELATED WORKERS	600	670	70	11.7	50		
136	28102	JUDGES AND MAGISTRATES	40	40	0	0.0	0	4	WORK EXP., PLUS A BACHELOR'S OR HIGHER
137	28105	ADJUDICATORS, JUDICIAL REVIEWERS	50	50	0	0.0	10	4	WORK EXP., PLUS A BACHELOR'S OR HIGHER
138	28108	LAWYERS	510	580	70	13.7	40	1	FIRST PROFESSIONAL DEGREE
139	28300	LEGAL ASSTS, TECHS, EX CLERICAL	250	300	50	20.0	10		
140	28302	LAW CLERKS	40	40	0	0.0	0	6	ASSOCIATE DEGREE
141	28305	PARALEGAL PERSONNEL	140	180	40	28.6	10	6	ASSOCIATE DEGREE
144	28399	LEGAL ASSTS, TECHS--EX CLER, NEC	70	80	10	14.3	0	6	ASSOCIATE DEGREE
145	31000	TEACHERS, EDUCATORS, LIBRARIANS	7,320	8,470	1,150	15.7	1,100		

**Table 6**  
**Occupational Employment Projections (1)**  
**1999 - 2006**  
**MARIN COUNTY**

LINE #	CA OES CODE	OCCUPATION	ANNUAL AVERAGES		ABSOLUTE CHANGE	PERCENT CHANGE	OPENINGS DUE TO SEPARATIONS	BLS TRAINING LEVEL	EDUCATION/EXPERIENCE
			1999 (2)	2006					
146	31100	POSTSECONDARY TEACHERS	570	660	90	15.8	130		
148	31114	NURSING INSTRUCTORS, POSTSECONDARY	30	30	0	0.0	0	3	MASTER'S DEGREE
150	31201	AGRIC SCIENCES TEACHERS, POSTSECON	50	50	0	0.0	10	2	DOCTORAL DEGREE
158	31214	ENGLISH LANG & LIT TEACHERS, POSTS	100	120	20	20.0	20	2	DOCTORAL DEGREE
159	31215	FOREIGN LANG & LIT TEACHERS, POSTS	30	30	0	0.0	10	2	DOCTORAL DEGREE
160	31218	ART, DRAMA, MUSIC TEACHERS, POSTSE	50	60	10	20.0	10	2	DOCTORAL DEGREE
163	31224	MATHEMATICAL SCIENCES TEACHERS, PO	40	50	10	25.0	10	2	DOCTORAL DEGREE
164	31226	COMPUTER SCIENCE TEACHERS, POSTSEC	30	40	10	33.3	10	2	DOCTORAL DEGREE
170	31235	HISTORY TEACHERS, POSTSECONDARY	30	30	0	0.0	10	2	DOCTORAL DEGREE
172	31237	PSYCHOLOGY TEACHERS, POSTSECONDARY	30	30	0	0.0	10	2	DOCTORAL DEGREE
174	31242	BUSINESS TEACHERS, POSTSECONDARY	60	80	20	33.3	10	2	DOCTORAL DEGREE
176	31246	CRIMINAL JUSTICE & LAW ENFORCE TEA	50	60	10	20.0	10	2	DOCTORAL DEGREE
178	31252	EDUCATION TEACHERS, POSTSECONDARY	30	40	10	33.3	10	2	DOCTORAL DEGREE
182	31262	HOME ECONOMICS TEACHERS, POSTSECON	40	40	0	0.0	10	2	DOCTORAL DEGREE
184	31300	OTHER TEACHERS AND INSTRUCTORS	5,430	6,210	780	14.4	800		
185	31303	TEACHERS, PRESCHOOL	630	710	80	12.7	100	5	BACHELOR'S DEGREE
186	31304	TEACHERS, KINDERGARTEN	210	230	20	9.5	30	5	BACHELOR'S DEGREE
187	31305	TEACHERS--ELEMENTARY SCHOOL	2,030	2,240	210	10.3	340	5	BACHELOR'S DEGREE
188	31308	TEACHERS--SECONDARY SCHOOL	780	920	140	17.9	190	5	BACHELOR'S DEGREE
189	31311	TEACHERS--SPECIAL EDUCATION	280	350	70	25.0	20	5	BACHELOR'S DEGREE
190	31314	TEACHERS--VOC ED AND TRAINING	440	500	60	13.6	30	8	WORK EXPERIENCE
191	31317	INSTRUCTORS--NON-VOC EDUCATION	230	280	50	21.7	20	8	WORK EXPERIENCE
192	31321	INSTRUCTORS AND COACHES--SPORTS	500	590	90	18.0	40	10	MODERATE-TERM ON-THE-JOB TRAINING
194	31399	TEACHERS AND INSTRUCTORS, NEC	330	390	60	18.2	30	3	MASTER'S DEGREE
195	31500	LIBRARIANS, ARCHIVISTS AND RELATED	1,320	1,600	280	21.2	170		



**Table 6**  
**Occupational Employment Projections (1)**  
**1999 - 2006**  
**MARIN COUNTY**

LINE #	CA OES CODE	OCCUPATION	ANNUAL AVERAGES		ABSOLUTE CHANGE	PERCENT CHANGE	OPENINGS DUE TO SEPARATIONS	BLS TRAINING LEVEL	EDUCATION/EXPERIENCE
			1999 (2)	2006					
196	31502	LIBRARIANS--PROFESSIONAL	140	150	10	7.1	30	3	MASTER'S DEGREE
197	31505	TECHNICAL ASSISTANTS--LIBRARY	90	100	10	11.1	20	11	SHORT-TERM ON-THE-JOB TRAINING
200	31514	VOCATIONAL & EDUCATIONAL COUNSELOR	260	300	40	15.4	40	3	MASTER'S DEGREE
201	31517	INSTRUCTIONAL COORDINATORS	90	120	30	33.3	10	5	BACHELOR'S DEGREE
202	31521	TEACHER AIDES, PARAPROFESSIONAL	740	930	190	25.7	70	6	ASSOCIATE DEGREE
203	32000	HEALTH PRACTITIONERS, TECHS, RELAT	3,800	4,180	380	10.0	550		
204	32100	HEALTH DIAGNOSING, TREATING	400	420	20	5.0	60		
205	32102	PHYSICIANS AND SURGEONS	230	240	10	4.3	30	1	FIRST PROFESSIONAL DEGREE
206	32105	DENTISTS	110	110	0	0.0	20	1	FIRST PROFESSIONAL DEGREE
210	32114	VETS AND VETERINARY INSPECTORS	60	70	10	16.7	10	1	FIRST PROFESSIONAL DEGREE
212	32300	THERAPISTS	310	350	40	12.9	40		
213	32302	RESPIRATORY THERAPISTS	50	60	10	20.0	10	6	ASSOCIATE DEGREE
214	32305	OCCUPATIONAL THERAPISTS	70	80	10	14.3	10	5	BACHELOR'S DEGREE
215	32308	PHYSICAL THERAPISTS	110	110	0	0.0	10	5	BACHELOR'S DEGREE
217	32314	SPEECH PATHOLOGISTS, AUDIOLOGISTS	80	100	20	25.0	10	3	MASTER'S DEGREE
220	32500	HEALTH CARE MAINTENANCE, TREATING	2,060	2,220	160	7.8	280		
221	32502	REGISTERED NURSES	1,400	1,530	130	9.3	170	6	ASSOCIATE DEGREE
222	32505	LICENSED PRACTICAL NURSES	320	330	10	3.1	50	7	POST-SECONDARY VOCATIONAL EDUCATION
223	32508	EMERGENCY MEDICAL TECHNICIANS	50	60	10	20.0	10	7	POST-SECONDARY VOCATIONAL EDUCATION
224	32511	PHYSICIAN'S ASSISTANTS	30	30	0	0.0	0	5	BACHELOR'S DEGREE
225	32514	OPTICIANS--DISPENSING, MEASURING	50	50	0	0.0	10	9	LONG-TERM ON-THE-JOB TRAINING
226	32517	PHARMACISTS	120	130	10	8.3	20	5	BACHELOR'S DEGREE
227	32518	PHARMACY TECHNICIANS	50	50	0	0.0	10	10	MODERATE-TERM ON-THE-JOB TRAINING

**Table 6**  
**Occupational Employment Projections (1)**  
**1999 - 2006**  
**MARIN COUNTY**

LINE #	CA OES CODE	OCCUPATION	ANNUAL AVERAGES		ABSOLUTE CHANGE	PERCENT CHANGE	OPENINGS DUE TO SEPARATIONS	BLS TRAINING LEVEL	EDUCATION/EXPERIENCE
			1999 (2)	2006					
228	32521	DIETITIANS AND NUTRITIONISTS	40	40	0	0.0	10	5	BACHELOR'S DEGREE
230	32900	OTHER HEALTH PROFS, PARAPROFS	1,030	1,190	160	15.5	170		
231	32902	MED, CLINICAL LAB TECHNOLOGISTS	90	100	10	11.1	10	5	BACHELOR'S DEGREE
232	32905	MED, CLINICAL LAB ASSISTANTS	120	130	10	8.3	10	6	ASSOCIATE DEGREE
233	32908	DENTAL HYGIENISTS	190	220	30	15.8	30	6	ASSOCIATE DEGREE
234	32911	MEDICAL RECORDS TECHNICIANS	30	40	10	33.3	10	6	ASSOCIATE DEGREE
237	32919	RADIOLOGIC TECHNOLOGISTS	80	90	10	12.5	10	6	ASSOCIATE DEGREE
241	32928	SURGICAL TECHNICIANS	40	60	20	50.0	10	7	POST-SECONDARY VOCATIONAL EDUCATION
242	32931	PSYCHIATRIC TECHNICIANS	50	60	10	20.0	10	6	ASSOCIATE DEGREE
243	32951	VETERINARY TECHNICIANS & TECHNOLOG	80	80	0	0.0	10	6	ASSOCIATE DEGREE
244	32999	HEALTH CARE PROFS, PARAPROFS, NEC	350	410	60	17.1	70	6	ASSOCIATE DEGREE
245	34000	WRITERS, ARTISTS, ENTER, ATHLETES	2,330	2,650	320	13.7	400		
246	34002	WRITERS AND EDITORS	230	260	30	13.0	50	5	BACHELOR'S DEGREE
247	34005	TECHNICAL WRITERS & EDITORS	100	100	0	0.0	20	5	BACHELOR'S DEGREE
248	34008	PUB REL SPECS, PUBLICITY WRITERS	120	130	10	8.3	20	5	BACHELOR'S DEGREE
249	34011	REPORTERS AND CORRESPONDENTS	80	80	0	0.0	20	5	BACHELOR'S DEGREE
253	34023	PHOTOGRAPHERS	110	110	0	0.0	10	10	MODERATE-TERM ON-THE-JOB TRAINING
255	34028	BROADCAST TECHNICIANS	100	120	20	20.0	20	7	POST-SECONDARY VOCATIONAL EDUCATION
256	34032	FILM EDITORS	100	120	20	20.0	20	5	BACHELOR'S DEGREE
257	34035	ARTISTS AND RELATED WORKERS	290	330	40	13.8	50	4	WORK EXP., PLUS A BACHELOR'S OR HIGHER
258	34038	DESIGNERS, EX INTERIOR DESIGNERS	240	280	40	16.7	30	5	BACHELOR'S DEGREE
259	34041	INTERIOR DESIGNERS	60	70	10	16.7	10	5	BACHELOR'S DEGREE
260	34044	MERCH DISPLAYERS, WINDOW TRIMMERS	30	30	0	0.0	0	5	BACHELOR'S DEGREE
261	34047	MUSIC DIRECTORS, SINGERS, COMPOSERS	30	30	0	0.0	0	9	LONG-TERM ON-THE-JOB TRAINING
262	34051	MUSICIANS--INSTRUMENTAL	80	90	10	12.5	10	9	LONG-TERM ON-THE-JOB TRAINING

**Table 6**  
**Occupational Employment Projections (1)**  
**1999 - 2006**  
**MARIN COUNTY**

LINE #	CA OES CODE	OCCUPATION	ANNUAL AVERAGES		ABSOLUTE CHANGE	PERCENT CHANGE	OPENINGS DUE TO SEPARATIONS	BLS TRAINING LEVEL	EDUCATION/EXPERIENCE
			1999 (2)	2006					
263	34053	DANCERS AND CHOREOGRAPHERS	30	30	0	0.0	10	7	POST-SECONDARY VOCATIONAL EDUCATION
264	34056	PRODUCERS, DIRECTORS, ACTORS	730	870	140	19.2	130	9	LONG-TERM ON-THE-JOB TRAINING
266	39000	MISC PROFS, PARAPROFS, TECHNICAL	2,090	2,240	150	7.2	320	5	BACHELOR'S DEGREE
272	39999	OTHER PROF, PARAPROF, TECHNICAL	2,090	2,240	150	7.2	320		
273	40000	SALES AND RELATED OCCUPATIONS	15,390	16,760	1,370	8.9	3,440		
274	41000	FIRST-LINE SUP/MGR--SALES	1,780	1,970	190	10.7	170	8	WORK EXPERIENCE
275	41002	FIRST-LINE SUP/MGR--SALES	1,780	1,970	190	10.7	170		
276	43000	SALES AGENTS--SERVICE	1,280	1,380	100	7.8	210	9	LONG-TERM ON-THE-JOB TRAINING
277	43002	SALES AGENTS, PLACERS--INSURANCE	210	220	10	4.8	30		
279	43008	SALES AGENTS--REAL ESTATE	90	90	0	0.0	10	7	POST-SECONDARY VOCATIONAL EDUCATION
280	43011	APPRAISERS--REAL ESTATE	60	50	-10	-16.7	10	8	WORK EXPERIENCE
281	43014	SALES AGENTS--FINANCIAL SERVICES	130	140	10	7.7	10	9	LONG-TERM ON-THE-JOB TRAINING
282	43017	SALES AGENTS--SEL BUS SERVICES	290	330	40	13.8	50	10	MODERATE-TERM ON-THE-JOB TRAINING
283	43021	TRAVEL AGENTS	220	250	30	13.6	40	7	POST-SECONDARY VOCATIONAL EDUCATION
284	43023	SALES AGENTS--ADVERTISING	160	180	20	12.5	30	10	MODERATE-TERM ON-THE-JOB TRAINING
285	43099	SALES REPS, SERVICE--NEC	120	120	0	0.0	30	10	MODERATE-TERM ON-THE-JOB TRAINING
286	49000	MERCH, PRODUCTS AND OTHER SALES	12,330	13,410	1,080	8.8	3,060	5	BACHELOR'S DEGREE
287	49002	SALES ENGINEERS	70	70	0	0.0	10		



**Table 6**  
**Occupational Employment Projections (1)**  
**1999 - 2006**  
**MARIN COUNTY**

LINE #	CA OES CODE	OCCUPATION	ANNUAL AVERAGES		ABSOLUTE CHANGE	PERCENT CHANGE	OPENINGS DUE TO SEPARATIONS	BLS TRAINING LEVEL	EDUCATION/EXPERIENCE
			1999 (2)	2006					
288	49005	SALES REPS, SCIENTIFIC--EX RETAIL	380	400	20	5.3	70	10	MODERATE-TERM ON-THE-JOB TRAINING
289	49008	SALES REPS, NON-SCIENTIFIC EX RET	940	1,010	70	7.4	170	10	MODERATE-TERM ON-THE-JOB TRAINING
290	49011	SALESPERSONS, RETAIL	4,850	5,300	450	9.3	1,230	11	SHORT-TERM ON-THE-JOB TRAINING
291	49014	SALESPERSONS--PARTS	220	220	0	0.0	40	10	MODERATE-TERM ON-THE-JOB TRAINING
292	49017	COUNTER AND RENTAL CLERKS	670	780	110	16.4	220	11	SHORT-TERM ON-THE-JOB TRAINING
293	49021	STOCK CLERKS--SALES FLOOR	1,340	1,350	10	0.7	140	11	SHORT-TERM ON-THE-JOB TRAINING
294	49023	CASHIERS	2,900	3,240	340	11.7	980	11	SHORT-TERM ON-THE-JOB TRAINING
295	49026	TELEMARKETERS, SOLICITORS & RELATE	300	340	40	13.3	60	11	SHORT-TERM ON-THE-JOB TRAINING
296	49034	DEMONSTRATORS AND PROMOTERS	100	110	10	10.0	20	10	MODERATE-TERM ON-THE-JOB TRAINING
298	49999	SALES AND RELATED WORKERS, NEC	560	590	30	5.4	120	10	MODERATE-TERM ON-THE-JOB TRAINING
299	50000	CLERICAL, ADMINISTRATIVE SUPPORT	19,460	20,120	660	3.4	2,860		
300	51000	FIRST-LINE SUP/MGR, CLERL, ADM SUP	1,740	1,870	130	7.5	280		
301	51002	FIRST-LINE SUP/MGR, CLERL, ADM SUP	1,740	1,870	130	7.5	280	8	WORK EXPERIENCE
302	53000	INDUSTRY SPECIFIC CLERICAL, ADMIN	2,790	3,020	230	8.2	390		
303	53100	BANKING, SECURITY, FINANCE, CREDIT	830	890	60	7.2	110		
304	53102	TELLERS	240	240	0	0.0	70	11	SHORT-TERM ON-THE-JOB TRAINING
305	53105	NEW ACCOUNTS CLERKS	40	50	10	25.0	10	8	WORK EXPERIENCE
310	53121	LOAN AND CREDIT CLERKS	190	190	0	0.0	10	11	SHORT-TERM ON-THE-JOB TRAINING
311	53123	ADJUSTMENT CLERKS	310	360	50	16.1	20	11	SHORT-TERM ON-THE-JOB TRAINING
313	53128	BROKERAGE CLERKS	50	50	0	0.0	0	11	SHORT-TERM ON-THE-JOB TRAINING

**Table 6**  
**Occupational Employment Projections (1)**  
**1999 - 2006**  
**MARIN COUNTY**

LINE #	CA OES CODE	OCCUPATION	ANNUAL AVERAGES		ABSOLUTE CHANGE	PERCENT CHANGE	OPENINGS DUE TO SEPARATIONS	BLS TRAINING LEVEL	EDUCATION/EXPERIENCE
			1999 (2)	2006					
314	53300	INSURANCE WORKERS	790	800	10	1.3	90		
315	53302	INS ADJUST, EXAMIN, INVESTIGATORS	270	290	20	7.4	30	9	LONG-TERM ON-THE-JOB TRAINING
318	53311	INSURANCE CLAIMS CLERKS	230	230	0	0.0	30	10	MODERATE-TERM ON-THE-JOB TRAINING
319	53314	INSURANCE POLICY PROCESSING CLERKS	290	280	-10	-3.4	30	10	MODERATE-TERM ON-THE-JOB TRAINING
320	53500	INVESTIGATIVE, RELATED, EX INSUR	220	230	10	4.5	40		
321	53502	WELFARE ELIG WORKERS, INTERVIEWERS	60	60	0	0.0	10	10	MODERATE-TERM ON-THE-JOB TRAINING
323	53508	BILL AND ACCOUNT COLLECTORS	160	170	10	6.3	30	11	SHORT-TERM ON-THE-JOB TRAINING
328	53800	LODGING AND TRAVEL WORKERS	180	230	50	27.8	40		
330	53805	RESERVATION, TRANS TICKET AGENTS	130	160	30	23.1	20	11	SHORT-TERM ON-THE-JOB TRAINING
331	53808	HOTEL DESK CLERKS	50	70	20	40.0	20	11	SHORT-TERM ON-THE-JOB TRAINING
332	53900	MISC INDUSTRY SPECIFIC CLERICAL	770	870	100	13.0	110		
333	53902	LIBRARY ASSTS & BOOKMOBILE DRIVERS	110	120	10	9.1	40	11	SHORT-TERM ON-THE-JOB TRAINING
334	53905	TEACHER AIDES & EDUC ASSTS, CLERIC	560	650	90	16.1	50	11	SHORT-TERM ON-THE-JOB TRAINING
335	53908	ADVERTISING CLERKS	30	30	0	0.0	0	11	SHORT-TERM ON-THE-JOB TRAINING
336	53911	PROOFREADERS AND COPY MARKERS	30	30	0	0.0	10	11	SHORT-TERM ON-THE-JOB TRAINING
337	53914	REAL ESTATE CLERKS	40	40	0	0.0	10	11	SHORT-TERM ON-THE-JOB TRAINING
338	55000	SECRETARIAL, GENERAL OFFICE OCCS	10,990	11,230	240	2.2	1,690		
339	55100	SECRETARIES	2,520	2,480	-40	-1.6	280		
340	55102	SECRETARIES, LEGAL	220	230	10	4.5	30	7	POST-SECONDARY VOCATIONAL EDUCATION
341	55105	SECRETARIES, MEDICAL	390	390	0	0.0	40	7	POST-SECONDARY VOCATIONAL EDUCATION
342	55108	SECRETARIES, GENERAL	1,910	1,860	-50	-2.6	210	7	POST-SECONDARY VOCATIONAL EDUCATION

**Table 6**  
**Occupational Employment Projections (1)**  
**1999 - 2006**  
**MARIN COUNTY**

LINE #	CA OES CODE	OCCUPATION	ANNUAL AVERAGES		ABSOLUTE CHANGE	PERCENT CHANGE	OPENINGS DUE TO SEPARATIONS	BLS TRAINING LEVEL	EDUCATION/EXPERIENCE
			1999 (2)	2006					
343	55300	MISC SECRETARIAL, GENL OFF OCCS	8,470	8,750	280	3.3	1,410		
344	55302	STENOGRAPHERS AND/OR COURT REPORTE	100	90	-10	-10.0	10	7	POST-SECONDARY VOCATIONAL EDUCATION
345	55305	RECEPTIONISTS, INFORMATION CLERKS	1,580	1,710	130	8.2	220	11	SHORT-TERM ON-THE-JOB TRAINING
346	55307	TYPISTS, INCLUDING WORD PROCESSING	450	360	-90	-20.0	60	10	MODERATE-TERM ON-THE-JOB TRAINING
347	55314	PERS CLERKS--EX PAYROLL	150	150	0	0.0	20	11	SHORT-TERM ON-THE-JOB TRAINING
348	55317	CORRESPONDENCE CLERKS	30	30	0	0.0	10	11	SHORT-TERM ON-THE-JOB TRAINING
349	55321	FILE CLERKS	310	310	0	0.0	80	11	SHORT-TERM ON-THE-JOB TRAINING
350	55323	ORDER CLERKS--MATERIALS, SERVICE	290	300	10	3.4	50	11	SHORT-TERM ON-THE-JOB TRAINING
353	55332	INTERVIEW CLERKS--EX PERS, WELFARE	60	60	0	0.0	10	11	SHORT-TERM ON-THE-JOB TRAINING
354	55335	CUSTOMER SERVICE REPS--UTILITIES	70	80	10	14.3	10	11	SHORT-TERM ON-THE-JOB TRAINING
355	55338	BOOKKEEPING, ACCOUNTING CLERKS	2,030	1,990	-40	-2.0	260	10	MODERATE-TERM ON-THE-JOB TRAINING
356	55341	PAYROLL AND TIMEKEEPING CLERKS	110	110	0	0.0	20	11	SHORT-TERM ON-THE-JOB TRAINING
357	55344	BILLING, COST, AND RATE CLERKS	220	230	10	4.5	30	11	SHORT-TERM ON-THE-JOB TRAINING
358	55347	GENERAL OFFICE CLERKS	3,070	3,330	260	8.5	630	11	SHORT-TERM ON-THE-JOB TRAINING
359	56000	EDP AND OFFICE MACHINE OCCUPATIONS	910	840	-70	-7.7	110		
360	56002	BILLING, POSTING, CALC MACHINE OPS	50	50	0	0.0	10	11	SHORT-TERM ON-THE-JOB TRAINING
361	56005	DUPLICATING MACHINE OPERATORS	140	150	10	7.1	30	11	SHORT-TERM ON-THE-JOB TRAINING
362	56008	MAIL MACH OPS--PREP AND HANDLING	40	40	0	0.0	10	11	SHORT-TERM ON-THE-JOB TRAINING
363	56011	COMPUTER OPS--EX PERIPHERAL EQUIP	240	190	-50	-20.8	20	10	MODERATE-TERM ON-THE-JOB TRAINING
365	56017	DATA ENTRY KEYERS--EX COMPOSING	330	310	-20	-6.1	20	7	POST-SECONDARY VOCATIONAL EDUCATION
367	56099	OFFICE MACHINE OPERATORS, NEC	110	100	-10	-9.1	20	11	SHORT-TERM ON-THE-JOB TRAINING
368	57000	COMMUNICATIONS, MAIL DISTRIBUTION	470	480	10	2.1	90		



**Table 6**  
**Occupational Employment Projections (1)**  
**1999 - 2006**  
**MARIN COUNTY**

LINE #	CA OES CODE	OCCUPATION	ANNUAL AVERAGES		ABSOLUTE CHANGE	PERCENT CHANGE	OPENINGS DUE TO SEPARATIONS	BLS TRAINING LEVEL	EDUCATION/EXPERIENCE
			1999 (2)	2006					
369	57100	COMMUNICATION EQUIPMENT OPERATORS	130	120	-10	-7.7	20		
370	57102	SWITCHBOARD OPERATORS	130	120	-10	-7.7	20	11	SHORT-TERM ON-THE-JOB TRAINING
375	57300	MAIL, MESSAGE DISTRIBUTION WORKERS	340	360	20	5.9	70		
376	57302	MAIL CLKS-EX MAIL MACH OPS, POSTAL	90	90	0	0.0	20	11	SHORT-TERM ON-THE-JOB TRAINING
377	57305	POSTAL MAIL CARRIERS	120	140	20	16.7	30	11	SHORT-TERM ON-THE-JOB TRAINING
378	57308	POSTAL SERVICE CLERKS	60	60	0	0.0	10	11	SHORT-TERM ON-THE-JOB TRAINING
379	57311	MESENTERS	70	70	0	0.0	10	11	SHORT-TERM ON-THE-JOB TRAINING
380	58000	MATERIAL RECORDING, DISPATCHING	1,780	1,880	100	5.6	220		
381	58002	DISPATCH--POLICE, FIRE, AMBULANCE	60	60	0	0.0	10	10	MODERATE-TERM ON-THE-JOB TRAINING
382	58005	DISPATCH--EX POLICE, FIRE, AMBUL	110	130	20	18.2	10	10	MODERATE-TERM ON-THE-JOB TRAINING
383	58008	PROD, PLANNING, EXPEDITING CLERKS	130	130	0	0.0	10	11	SHORT-TERM ON-THE-JOB TRAINING
387	58021	MARKING CLERKS	30	20	-10	-33.3	0	11	SHORT-TERM ON-THE-JOB TRAINING
388	58023	STOCK CLERKS--STOCKROOM, WAREHOUSE	500	540	40	8.0	50	11	SHORT-TERM ON-THE-JOB TRAINING
389	58026	ORDER FILLERS--WHLE & RET SALES	160	180	20	12.5	30	11	SHORT-TERM ON-THE-JOB TRAINING
390	58028	TRAFFIC, SHIPPING, RECEIVING CLKS	640	660	20	3.1	80	11	SHORT-TERM ON-THE-JOB TRAINING
391	58099	MATERIAL RECORDING, RELATED, NEC	150	160	10	6.7	30	11	SHORT-TERM ON-THE-JOB TRAINING
392	59000	CLERICAL, ADMIN SUPPORT, NEC	780	800	20	2.6	80	11	SHORT-TERM ON-THE-JOB TRAINING
394	60000	SERVICE OCCUPATIONS	18,440	20,380	1,940	10.5	4,690		

**Table 6**  
**Occupational Employment Projections (1)**  
**1999 - 2006**  
**MARIN COUNTY**

LINE #	CA OES CODE	OCCUPATION	ANNUAL AVERAGES		ABSOLUTE CHANGE	PERCENT CHANGE	OPENINGS DUE TO SEPARATIONS	BLS TRAINING LEVEL	EDUCATION/EXPERIENCE
			1999 (2)	2006					
395	61000	FIRST-LINE SUP/MGR--SERVICE	930	1,050	120	12.9	170		
396	61002	FIRE FIGHTING & PREVENTION SUPS	100	100	0	0.0	20	8	WORK EXPERIENCE
397	61005	POLICE AND DETECTIVE SUPERVISORS	110	110	0	0.0	20	8	WORK EXPERIENCE
398	61008	HOUSEKEEPING SUPERVISORS	50	50	0	0.0	10	8	WORK EXPERIENCE
399	61099	FIRST-LINE SUP/MGR SERV WKRS, NEC	670	790	120	17.9	120	8	WORK EXPERIENCE
400	63000	PROTECTIVE SERVICE OCCUPATIONS	2,170	2,410	240	11.1	470		
403	63008	FIRE FIGHTERS	250	250	0	0.0	40	9	LONG-TERM ON-THE-JOB TRAINING
404	63011	POLICE DETECTIVES	40	40	0	0.0	10	8	WORK EXPERIENCE
405	63014	POLICE PATROL OFFICERS	390	450	60	15.4	80	9	LONG-TERM ON-THE-JOB TRAINING
406	63017	CORRECTION OFFICERS, JAILERS	360	440	80	22.2	80	9	LONG-TERM ON-THE-JOB TRAINING
411	63032	SHERIFFS AND DEPUTY SHERIFFS	170	200	30	17.6	10	9	LONG-TERM ON-THE-JOB TRAINING
412	63035	DETECTIVES, INVESTIGATORS--EX PUB	30	30	0	0.0	10	10	MODERATE-TERM ON-THE-JOB TRAINING
415	63044	CROSSING GUARDS	30	30	0	0.0	10	11	SHORT-TERM ON-THE-JOB TRAINING
416	63047	GUARDS AND WATCH GUARDS	720	770	50	6.9	130	11	SHORT-TERM ON-THE-JOB TRAINING
417	63099	PROTECTIVE SERVICE WORKERS, NEC	180	200	20	11.1	100	11	SHORT-TERM ON-THE-JOB TRAINING
418	65000	FOOD, BEV PREP AND SERVICE OCCS	9,140	10,130	990	10.8	3,170		
419	65002	HOSTS, HOSTESSES--RESTAURANTS	250	290	40	16.0	60	11	SHORT-TERM ON-THE-JOB TRAINING
420	65005	BARTENDERS	500	520	20	4.0	150	11	SHORT-TERM ON-THE-JOB TRAINING
421	65008	WAITERS AND WAITRESSES	2,130	2,410	280	13.1	890	11	SHORT-TERM ON-THE-JOB TRAINING
422	65011	FOOD SERVERS--OUTSIDE	50	60	10	20.0	40	11	SHORT-TERM ON-THE-JOB TRAINING
423	65014	DINING RM ATTENDANTS, BAR HELPERS	620	640	20	3.2	140	11	SHORT-TERM ON-THE-JOB TRAINING
424	65017	COUNTER ATTENDANTS--FOOD	380	420	40	10.5	250	11	SHORT-TERM ON-THE-JOB TRAINING

**Table 6**  
**Occupational Employment Projections (1)**  
**1999 - 2006**  
**MARIN COUNTY**

LINE #	CA OES CODE	OCCUPATION	ANNUAL AVERAGES		ABSOLUTE CHANGE	PERCENT CHANGE	OPENINGS DUE TO SEPARATIONS	BLS TRAINING LEVEL	EDUCATION/EXPERIENCE
			1999 (2)	2006					
425	65021	BAKERS--BREAD AND PASTRY	220	240	20	9.1	40	10	MODERATE-TERM ON-THE-JOB TRAINING
426	65023	BUTCHERS AND MEAT CUTTERS	170	160	-10	-5.9	30	9	LONG-TERM ON-THE-JOB TRAINING
427	65026	COOKS--RESTAURANT	1,010	1,170	160	15.8	210	9	LONG-TERM ON-THE-JOB TRAINING
428	65028	COOKS--INSTITUTION OR CAFETERIA	260	280	20	7.7	50	9	LONG-TERM ON-THE-JOB TRAINING
429	65032	COOKS--SPECIALTY FAST FOOD	210	250	40	19.0	40	11	SHORT-TERM ON-THE-JOB TRAINING
430	65035	COOKS--SHORT ORDER	280	320	40	14.3	60	11	SHORT-TERM ON-THE-JOB TRAINING
431	65038	FOOD PREPARATION WORKERS	1,130	1,230	100	8.8	460	11	SHORT-TERM ON-THE-JOB TRAINING
432	65041	COMBINED FOOD PREP AND SERVICE	1,580	1,760	180	11.4	650	11	SHORT-TERM ON-THE-JOB TRAINING
433	65099	FOOD SERVICE WORKERS, NEC	350	380	30	8.6	100	11	SHORT-TERM ON-THE-JOB TRAINING
434	66000	HEALTH SERVICE, RELATED OCCS	1,830	2,010	180	9.8	210		
435	66002	DENTAL ASSISTANTS	390	450	60	15.4	40	10	MODERATE-TERM ON-THE-JOB TRAINING
436	66005	MEDICAL ASSISTANTS	240	260	20	8.3	40	10	MODERATE-TERM ON-THE-JOB TRAINING
437	66008	NURSE AIDES, ORDERLIES, ATTENDANTS	840	910	70	8.3	80	11	SHORT-TERM ON-THE-JOB TRAINING
438	66011	HOME HEALTH AIDES	190	210	20	10.5	20	11	SHORT-TERM ON-THE-JOB TRAINING
440	66017	PHYSICAL THERAPY ASSISTANTS & AIDE	50	60	10	20.0	10	10	MODERATE-TERM ON-THE-JOB TRAINING
444	66099	HEALTH SERVICE WORKERS, NEC	120	120	0	0.0	20	11	SHORT-TERM ON-THE-JOB TRAINING
445	67000	CLEANING, BLDING SERV EX PRIV HOUS	2,680	2,860	180	6.7	410		
446	67002	MAIDS AND HOUSEKEEPING CLEANERS	540	600	60	11.1	70	11	SHORT-TERM ON-THE-JOB TRAINING
447	67005	JANITORS, CLEANERS--EXCEPT MAIDS	1,940	2,060	120	6.2	310	11	SHORT-TERM ON-THE-JOB TRAINING
450	67099	CLEANING, BLDING SERV--EX PH, NEC	200	200	0	0.0	30	11	SHORT-TERM ON-THE-JOB TRAINING
451	68000	MISC PERSONAL SERVICE OCCUPATIONS	1,230	1,410	180	14.6	180		
453	68005	HAIRDRESSERS, HAIRSTYLISTS	170	190	20	11.8	30	7	POST-SECONDARY VOCATIONAL EDUCATION



**Table 6**  
**Occupational Employment Projections (1)**  
**1999 - 2006**  
**MARIN COUNTY**

LINE #	CA OES CODE	OCCUPATION	ANNUAL AVERAGES		ABSOLUTE CHANGE	PERCENT CHANGE	OPENINGS DUE TO SEPARATIONS	BLS TRAINING LEVEL	EDUCATION/EXPERIENCE
			1999 (2)	2006					
455	68011	SHAMPOOERS	40	40	0	0.0	10	11	SHORT-TERM ON-THE-JOB TRAINING
456	68014	AMUSEMENT, RECREATION ATTENDANTS	140	160	20	14.3	20	11	SHORT-TERM ON-THE-JOB TRAINING
457	68017	GUIDES	30	40	10	33.3	10	8	WORK EXPERIENCE
458	68021	USHERS, LOBBY ATTENDANTS	70	80	10	14.3	10	11	SHORT-TERM ON-THE-JOB TRAINING
463	68035	PERSONAL AND HOME CARE AIDES	330	390	60	18.2	70	11	SHORT-TERM ON-THE-JOB TRAINING
464	68038	CHILD CARE WORKERS	450	510	60	13.3	30	11	SHORT-TERM ON-THE-JOB TRAINING
466	69000	MISC SERVICE WORKERS	460	510	50	10.9	80	8	WORK EXPERIENCE
468	70000	AGRICULTURAL, FORESTRY, FISHING	1,990	2,240	250	12.6	420		
469	72000	FIRST-LINE SUP/MGR--AG, FOR, FISH	40	40	0	0.0	0		
470	72002	FIRST-LINE SUPERVISORS - AGRICULTU	40	40	0	0.0	0	8	WORK EXPERIENCE
477	79000	MISC AG, FORESTRY, FISHING	1,950	2,200	250	12.8	420		
478	79002	FOREST, CONSERVATION WORKERS	30	30	0	0.0	10	11	SHORT-TERM ON-THE-JOB TRAINING
482	79016	ANIMAL TRAINERS	40	50	10	25.0	10	8	WORK EXPERIENCE
483	79017	ANIMAL CARETAKERS--EXCEPT FARM	180	210	30	16.7	20	11	SHORT-TERM ON-THE-JOB TRAINING
485	79033	PRUNERS	30	30	0	0.0	10	11	SHORT-TERM ON-THE-JOB TRAINING
487	79041	LABORERS, LANDSCAPING/GROUNDSKEEPI	1,490	1,680	190	12.8	340	11	SHORT-TERM ON-THE-JOB TRAINING
488	79806	VETERINARY ASSISTANTS	100	110	10	10.0	10	11	SHORT-TERM ON-THE-JOB TRAINING
491	79999	AG, FORESTRY, FISHING--NEC	80	90	10	12.5	20	11	SHORT-TERM ON-THE-JOB TRAINING

**Table 6**  
**Occupational Employment Projections (1)**  
**1999 - 2006**  
**MARIN COUNTY**

LINE #	CA OES CODE	OCCUPATION	ANNUAL AVERAGES		ABSOLUTE CHANGE	PERCENT CHANGE	OPENINGS DUE TO SEPARATIONS	BLS TRAINING LEVEL	EDUCATION/EXPERIENCE
			1999 (2)	2006					
492	80000	PROD, CONST, OPER, MAT HANDLING	17,590	20,140	2,550	14.5	3,240		
493	81000	FIRST-LINE SUP/MGR-BLUE COLLAR	950	1,090	140	14.7	200		
494	81002	FIRST-LINE SUP/MGR-MECH, REPAIRERS	220	240	20	9.1	50	8	WORK EXPERIENCE
495	81005	FIRST-LINE SUP/MGR-CONSTRUCTION	270	330	60	22.2	60	8	WORK EXPERIENCE
496	81008	FIRST-LINE SUP/MGR-PRODUCTION	140	170	30	21.4	30	8	WORK EXPERIENCE
497	81011	FIRST-LINE SUP/MGR-TRANSPORTATION	80	90	10	12.5	20	8	WORK EXPERIENCE
498	81017	FIRST-LINE SUP/MGR-HELP, LABORERS	70	70	0	0.0	10	8	WORK EXPERIENCE
499	81099	FIRST-LINE SUP/MGR-BLUE COLLAR NEC	170	190	20	11.8	30	8	WORK EXPERIENCE
500	83000	INSPECTORS, RELATED OCCUPATIONS	210	220	10	4.8	40		
502	83005	PROD INSPECTORS, TESTERS, & GRADER	110	120	10	9.1	20	8	WORK EXPERIENCE
504	83099	INSPECTORS, TESTERS, RELATED, NEC	100	100	0	0.0	20	8	WORK EXPERIENCE
505	85000	MECHANICS, INSTALLERS, REPAIRERS	2,650	2,940	290	10.9	500		
506	85100	MACHINERY AND RELATED MECHANICS	910	980	70	7.7	160		
512	85118	MAINT MECHANICS--WATER, POWER	30	40	10	33.3	10	9	LONG-TERM ON-THE-JOB TRAINING
513	85119	MACHINERY MAINT MECHANICS, NEC	40	40	0	0.0	10	9	LONG-TERM ON-THE-JOB TRAINING
517	85132	MAINT REPAIRERS, GENL UTILITY	840	900	60	7.1	140	9	LONG-TERM ON-THE-JOB TRAINING
518	85300	MOBILE EQUIP MECHANICS, REPAIRERS	1,110	1,220	110	9.9	200		
519	85302	AUTOMOTIVE MECHANICS	800	880	80	10.0	150	9	LONG-TERM ON-THE-JOB TRAINING

**Table 6**  
**Occupational Employment Projections (1)**  
**1999 - 2006**  
**MARIN COUNTY**

LINE #	CA OES CODE	OCCUPATION	ANNUAL AVERAGES		ABSOLUTE CHANGE	PERCENT CHANGE	OPENINGS DUE TO SEPARATIONS	BLS TRAINING LEVEL	EDUCATION/EXPERIENCE
			1999 (2)	2006					
520	85305	AUTOMOTIVE BODY, RELATED REPAIRERS	160	170	10	6.3	30	9	LONG-TERM ON-THE-JOB TRAINING
522	85311	BUS AND TRUCK MECHANICS	150	170	20	13.3	20	9	LONG-TERM ON-THE-JOB TRAINING
530	85500	COMM EQUIPMENT MECHANICS	30	30	0	0.0	10		
536	85599	COMM EQUIPMENT MECHANICS, NEC	30	30	0	0.0	10	7	POST-SECONDARY VOCATIONAL EDUCATION
537	85700	OTHER ELECTRICAL EQUIP MECHANICS	310	370	60	19.4	80		
538	85702	TELEPHONE, CABLE TV INSTALLERS	180	230	50	27.8	50	9	LONG-TERM ON-THE-JOB TRAINING
539	85705	DATA PROCESSING EQUIP REPAIRERS	60	60	0	0.0	10	7	POST-SECONDARY VOCATIONAL EDUCATION
545	85723	ELECT POWERLINE INSTALLERS	40	40	0	0.0	10	9	LONG-TERM ON-THE-JOB TRAINING
548	85799	ELECT EQUIP MECHANICS, NEC	30	40	10	33.3	10	9	LONG-TERM ON-THE-JOB TRAINING
549	85900	MISC MECH, INSTALLERS, REPAIRERS	290	340	50	17.2	50		
550	85902	HEATING, AC, REFRIG MECHANICS	90	110	20	22.2	10	9	LONG-TERM ON-THE-JOB TRAINING
561	85935	RIGGERS	30	40	10	33.3	10	9	LONG-TERM ON-THE-JOB TRAINING
566	85953	TIRE REPAIRERS AND CHANGERS	40	40	0	0.0	10	11	SHORT-TERM ON-THE-JOB TRAINING
568	85999	MECHS, INSTALLERS, REPAIRERS, NEC	130	150	20	15.4	20	9	LONG-TERM ON-THE-JOB TRAINING
569	87000	CONSTRUCTION TRADES	3,960	4,710	750	18.9	730		
570	87100	CARPENTERS AND RELATED WORKERS	1,590	1,860	270	17.0	310		
571	87102	CARPENTERS	1,370	1,610	240	17.5	280	9	LONG-TERM ON-THE-JOB TRAINING
572	87105	CEILING TILE INSTALLERS	60	70	10	16.7	10	10	MODERATE-TERM ON-THE-JOB TRAINING
573	87108	DRYWALL INSTALLERS	60	70	10	16.7	10	10	MODERATE-TERM ON-THE-JOB TRAINING
574	87111	TAPERS	30	30	0	0.0	0	10	MODERATE-TERM ON-THE-JOB TRAINING
575	87114	LATHERS	70	80	10	14.3	10	10	MODERATE-TERM ON-THE-JOB TRAINING



**Table 6**  
**Occupational Employment Projections (1)**  
**1999 - 2006**  
**MARIN COUNTY**

LINE #	CA OES CODE	OCCUPATION	ANNUAL AVERAGES		ABSOLUTE CHANGE	PERCENT CHANGE	OPENINGS DUE TO SEPARATIONS	BLS TRAINING LEVEL	EDUCATION/EXPERIENCE
			1999 (2)	2006					
577	87200	ELECTRICIANS AND RELATED WORKERS	540	650	110	20.4	80		
578	87202	ELECTRICIANS	540	650	110	20.4	80	9	LONG-TERM ON-THE-JOB TRAINING
579	87300	MASONS AND RELATED WORKERS	210	270	60	28.6	30		
580	87302	BRICKMASONS	40	50	10	25.0	10	9	LONG-TERM ON-THE-JOB TRAINING
581	87305	STONEMASONS	30	30	0	0.0	0	9	LONG-TERM ON-THE-JOB TRAINING
583	87311	CONCRETE AND TERRAZZO FINISHERS	100	130	30	30.0	10	9	LONG-TERM ON-THE-JOB TRAINING
585	87317	PLASTERERS AND STUCCO MASONS	40	60	20	50.0	10	9	LONG-TERM ON-THE-JOB TRAINING
586	87400	PAINTERS AND RELATED WORKERS	750	930	180	24.0	150		
587	87402	PAINTERS, PAPERHANGERS--CONST	750	930	180	24.0	150	10	MODERATE-TERM ON-THE-JOB TRAINING
588	87500	PLUMBERS AND RELATED WORKERS	260	300	40	15.4	30		
589	87502	PLUMBERS, PIPEFITTERS, STEAMFITTER	220	250	30	13.6	20	9	LONG-TERM ON-THE-JOB TRAINING
591	87508	PIPELAYERS	40	50	10	25.0	10	10	MODERATE-TERM ON-THE-JOB TRAINING
593	87600	CARPET, FLOOR INSTALLERS	40	40	0	0.0	10		
595	87605	FLOOR LAYERS--EX CARPET,WOOD,TILES	40	40	0	0.0	10	10	MODERATE-TERM ON-THE-JOB TRAINING
597	87700	SELECTED ROAD, RAIL AND RELATED	160	170	10	6.3	30		
600	87708	PAVING, TAMPING-EQUIP OPERATORS	70	80	10	14.3	10	10	MODERATE-TERM ON-THE-JOB TRAINING
601	87711	HIGHWAY MAINTENANCE WORKERS	90	90	0	0.0	20	11	SHORT-TERM ON-THE-JOB TRAINING
603	87800	CONSTRUCTION TRADES, NEC	290	360	70	24.1	70		
604	87802	INSULATION WORKERS	30	30	0	0.0	10	10	MODERATE-TERM ON-THE-JOB TRAINING
606	87805	SHEET METAL DUCT INSTALLERS	40	60	20	50.0	10	10	MODERATE-TERM ON-THE-JOB TRAINING
607	87808	ROOFERS	120	140	20	16.7	30	10	MODERATE-TERM ON-THE-JOB TRAINING

**Table 6**  
**Occupational Employment Projections (1)**  
**1999 - 2006**  
**MARIN COUNTY**

LINE #	CA OES CODE	OCCUPATION	ANNUAL AVERAGES		ABSOLUTE CHANGE	PERCENT CHANGE	OPENINGS DUE TO SEPARATIONS	BLS TRAINING LEVEL	EDUCATION/EXPERIENCE
			1999 (2)	2006					
608	87811	GLAZIERS	30	40	10	33.3	10	9	LONG-TERM ON-THE-JOB TRAINING
611	87899	CONSTRUCTION TRADES WORKERS, NEC	70	90	20	28.6	10	10	MODERATE-TERM ON-THE-JOB TRAINING
612	87900	EXTRACTIVE AND RELATED WORKERS	120	130	10	8.3	20		
626	87999	CONST, EXTRACTIVE--EX HELPERS, NEC	120	130	10	8.3	20	10	MODERATE-TERM ON-THE-JOB TRAINING
627	89000	PRODUCTION OCCUPATIONS, PRECISION	1,440	1,630	190	13.2	230		
628	89100	METAL WORKERS, PRECISION	250	290	40	16.0	40		
631	89108	MACHINISTS	100	110	10	10.0	10	9	LONG-TERM ON-THE-JOB TRAINING
636	89123	JEWELERS AND SILVERSMITHS	40	40	0	0.0	10	9	LONG-TERM ON-THE-JOB TRAINING
639	89132	SHEET METAL WORKERS	110	140	30	27.3	20	10	MODERATE-TERM ON-THE-JOB TRAINING
642	89300	WOODWORKERS, PRECISION	150	170	20	13.3	20		
646	89311	CABINETMAKERS AND BENCH CARPENTERS	120	140	20	16.7	10	9	LONG-TERM ON-THE-JOB TRAINING
647	89314	FURNITURE FINISHERS	30	30	0	0.0	10	9	LONG-TERM ON-THE-JOB TRAINING
649	89500	TEXTILE, APPAREL, FURNISHINGS,PREC	110	130	20	18.2	20		
651	89505	CUSTOM TAILORS AND SEWERS	30	30	0	0.0	0	8	WORK EXPERIENCE
655	89517	PRESSERS--DELICATE FABRICS	40	50	10	25.0	10	9	LONG-TERM ON-THE-JOB TRAINING
657	89599	TEXT,APPAREL,FURNISHINGS,NEC--PREC	40	50	10	25.0	10	9	LONG-TERM ON-THE-JOB TRAINING
672	89800	FOOD WORKERS, PRECISION	40	60	20	50.0	0		
674	89805	BAKERS--MANUFACTURING	40	60	20	50.0	0	10	MODERATE-TERM ON-THE-JOB TRAINING
677	89900	OTHER PRECISION WORKERS	890	980	90	10.1	150		
684	89921	DENTAL LAB TECHNICIANS, PRECISION	70	70	0	0.0	10	9	LONG-TERM ON-THE-JOB TRAINING

**Table 6**  
**Occupational Employment Projections (1)**  
**1999 - 2006**  
**MARIN COUNTY**

LINE #	CA OES CODE	OCCUPATION	ANNUAL AVERAGES		ABSOLUTE CHANGE	PERCENT CHANGE	OPENINGS DUE TO SEPARATIONS	BLS TRAINING LEVEL	EDUCATION/EXPERIENCE
			1999 (2)	2006					
687	89999	WORKERS, PRECISION--NEC	820	910	90	11.0	140	9	LONG-TERM ON-THE-JOB TRAINING
688	91000	MACH SETTERS, SET-UP, OPS, TENDERS	780	880	100	12.8	130		
696	91300	MACH FORMING SETTERS--METAL, PLASTI	30	30	0	0.0	10		
703	91321	MACH FORMING OPS, TENDRS--MET, PLAS	30	30	0	0.0	10	10	MODERATE-TERM ON-THE-JOB TRAINING
738	92500	PRINTING, BINDING, RELATED WORKERS	150	160	10	6.7	30		
740	92512	OFFSET LITHOGRAPHIC PRESS SETTERS	50	50	0	0.0	10	10	MODERATE-TERM ON-THE-JOB TRAINING
748	92543	PRINTING PRESS MACHINE OPS, TENDER	60	70	10	16.7	10	10	MODERATE-TERM ON-THE-JOB TRAINING
750	92546	BINDERY MACHINE OPERATORS	40	40	0	0.0	10	10	MODERATE-TERM ON-THE-JOB TRAINING
	92700	TEXTILE, RELATED SETTERS, OPS	330	370	40	12.1	40		
758	92717	SEWING MACHINE OPERATORS--GARMENT	120	140	20	16.7	10	10	MODERATE-TERM ON-THE-JOB TRAINING
	92721	SEWING MACHINE OPS--NON-GARMENT	30	30	0	0.0	0	10	MODERATE-TERM ON-THE-JOB TRAINING
	92726	LNDRY, DRYCLEAN MACH OPS--EX PRESS	90	100	10	11.1	20	10	MODERATE-TERM ON-THE-JOB TRAINING
762	92728	PRESSING MACH OPS--TEXTILE, GARMEN	90	100	10	11.1	10	10	MODERATE-TERM ON-THE-JOB TRAINING
763	92900	MACH SETTER, SET-UP, OP--EX MET, PLAS	270	320	50	18.5	50		
766	92908	PHOTOGRAPHIC PROC MACH OPS, TNDRS	30	30	0	0.0	10	11	SHORT-TERM ON-THE-JOB TRAINING
785	92965	CRUSHING, MIXING MACH OPS, TNDRS	40	50	10	25.0	10	10	MODERATE-TERM ON-THE-JOB TRAINING
788	92974	PACKAGING, FILLING MACH OPS, TNDRS	70	90	20	28.6	20	10	MODERATE-TERM ON-THE-JOB TRAINING
789	92997	MACHINE SETTERS & SET-UP OPS, NEC	40	50	10	25.0	0	10	MODERATE-TERM ON-THE-JOB TRAINING
790	92998	MACHINE OPERATORS AND TENDERS, NEC	90	100	10	11.1	10	10	MODERATE-TERM ON-THE-JOB TRAINING
791	93000	ASSEMBLERS AND FABRICATORS--HAND	1,010	1,180	170	16.8	170		



**Table 6**  
**Occupational Employment Projections (1)**  
**1999 - 2006**  
**MARIN COUNTY**

LINE #	CA OES CODE	OCCUPATION	ANNUAL AVERAGES		ABSOLUTE CHANGE	PERCENT CHANGE	OPENINGS DUE TO SEPARATIONS	BLS TRAINING LEVEL	EDUCATION/EXPERIENCE
			1999 (2)	2006					
792	93100	ASSEMBLERS, PRECISION	80	90	10	12.5	20		
797	93114	ELECTRICAL EQUIP ASSEMBLERS--PREC	40	40	0	0.0	10	8	WORK EXPERIENCE
799	93197	ASSEMBLERS, NEC--PRECISION	40	50	10	25.0	10	8	WORK EXPERIENCE
800	93900	OTHER HAND WORKERS	930	1,090	160	17.2	150		
802	93905	ELECTRICAL, ELECTRONIC ASSEMBLERS	100	130	30	30.0	10	11	SHORT-TERM ON-THE-JOB TRAINING
805	93914	WELDERS AND CUTTERS	70	80	10	14.3	10	7	POST-SECONDARY VOCATIONAL EDUCATION
819	93956	ASSEMB, FABRICATORS--EX MACH,ELECT	360	420	60	16.7	50	11	SHORT-TERM ON-THE-JOB TRAINING
820	93999	HAND WORKERS, NEC	400	460	60	15.0	80	11	SHORT-TERM ON-THE-JOB TRAINING
821	95000	PLANT AND SYSTEM OCCUPATIONS	150	150	0	0.0	30		
822	95002	WATER TREATMENT PLANT OPERATORS	80	80	0	0.0	10	9	LONG-TERM ON-THE-JOB TRAINING
832	95032	STATIONARY ENGINEERS	40	40	0	0.0	10	9	LONG-TERM ON-THE-JOB TRAINING
833	95099	PLANT AND SYSTEM OPERATORS, NEC	30	30	0	0.0	10	9	LONG-TERM ON-THE-JOB TRAINING
834	97000	TRANS, MATERIAL MOVING MACHINE OPS	3,130	3,590	460	14.7	400		
835	97100	MOTOR VEHICLE OPERATORS	2,630	3,010	380	14.4	320		
836	97102	TRUCK DRIVERS, HEAVY	620	740	120	19.4	70	11	SHORT-TERM ON-THE-JOB TRAINING
837	97105	TRUCK DRIVERS, LIGHT	990	1,160	170	17.2	110	11	SHORT-TERM ON-THE-JOB TRAINING
838	97108	BUS DRIVERS	340	360	20	5.9	40	10	MODERATE-TERM ON-THE-JOB TRAINING
839	97111	BUS DRIVERS--SCHOOL	190	220	30	15.8	30	11	SHORT-TERM ON-THE-JOB TRAINING
840	97114	TAXI DRIVERS AND CHAUFFEURS	120	160	40	33.3	20	11	SHORT-TERM ON-THE-JOB TRAINING
841	97117	DRIVER/SALES WORKERS	270	280	10	3.7	40	11	SHORT-TERM ON-THE-JOB TRAINING
842	97199	MOTOR VEHICLE OPERATORS, NEC	100	90	-10	-10.0	10	11	SHORT-TERM ON-THE-JOB TRAINING

**Table 6**  
**Occupational Employment Projections (1)**  
**1999 - 2006**  
**MARIN COUNTY**

LINE #	CA OES CODE	OCCUPATION	ANNUAL AVERAGES		ABSOLUTE CHANGE	PERCENT CHANGE	OPENINGS DUE TO SEPARATIONS	BLS TRAINING LEVEL	EDUCATION/EXPERIENCE
			1999 (2)	2006					
861	97800	MISC TRANSPORTATION WORKERS	180	200	20	11.1	50		
863	97805	SERVICE STATION ATTENDANTS	90	90	0	0.0	30	11	SHORT-TERM ON-THE-JOB TRAINING
864	97808	PARKING LOT ATTENDANTS	40	50	10	25.0	10	11	SHORT-TERM ON-THE-JOB TRAINING
865	97899	TRANS AND RELATED WORKERS, NEC	50	60	10	20.0	10	10	MODERATE-TERM ON-THE-JOB TRAINING
866	97900	MATERIAL MOVEMENT EQUIP OPERATORS	320	380	60	18.8	30		
874	97923	EXCAVATING, LOADING MACHINE OPS	30	40	10	33.3	0	10	MODERATE-TERM ON-THE-JOB TRAINING
879	97938	GRADER, DOZER, SCRAPER OPERATORS	30	40	10	33.3	0	10	MODERATE-TERM ON-THE-JOB TRAINING
882	97947	INDUSTRIAL TRUCK,TRACTOR OPERATORS	110	130	20	18.2	10	11	SHORT-TERM ON-THE-JOB TRAINING
885	97956	OPERATING ENGINEERS	80	90	10	12.5	10	10	MODERATE-TERM ON-THE-JOB TRAINING
886	97989	MATERIAL MOVING EQUIP OPS, NEC	70	80	10	14.3	10	10	MODERATE-TERM ON-THE-JOB TRAINING
888	98000	HELPERS, LABORERS, HAND--EX AG	3,310	3,750	440	13.3	810		
889	98100	MECHANIC AND REPAIRER HELPERS	160	170	10	6.3	50		
890	98102	HELPERS, MECHANIC & REPAIRER	160	170	10	6.3	50	11	SHORT-TERM ON-THE-JOB TRAINING
891	98300	CONST TRADES, EXTRACTIVE--HELPERS	590	720	130	22.0	210		
893	98312	HELPERS--CARPENTERS AND RELATED	260	320	60	23.1	100	11	SHORT-TERM ON-THE-JOB TRAINING
894	98313	HELPERS--ELECT, POWERLINE INSTALL	30	40	10	33.3	10	11	SHORT-TERM ON-THE-JOB TRAINING
895	98314	HELPERS--PAINTERS AND RELATED	110	140	30	27.3	40	11	SHORT-TERM ON-THE-JOB TRAINING
896	98315	HELPERS--PLUMBERS AND RELATED	30	30	0	0.0	10	11	SHORT-TERM ON-THE-JOB TRAINING
897	98316	HELPERS--ROOFERS	40	40	0	0.0	10	11	SHORT-TERM ON-THE-JOB TRAINING
898	98319	HELPERS--CONSTRUCTION TRADES, NEC	120	150	30	25.0	40	11	SHORT-TERM ON-THE-JOB TRAINING

**Table 6**  
**Occupational Employment Projections (1)**  
**1999 - 2006**  
**MARIN COUNTY**

LINE #	CA OES CODE	OCCUPATION	ANNUAL AVERAGES		ABSOLUTE CHANGE	PERCENT CHANGE	OPENINGS DUE TO SEPARATIONS	BLS TRAINING LEVEL	EDUCATION/EXPERIENCE
			1999 (2)	2006					
903	98700	FREIGHT, STOCK, MAT MOVERS, HAND	400	400	0	0.0	110		
906	98799	FREIGHT, MATERIAL MOVERS-HAND, NEC	400	400	0	0.0	110	11	SHORT-TERM ON-THE-JOB TRAINING
907	98900	MISC HELPERS, LABORERS--HAND	2,160	2,460	300	13.9	440		
908	98902	HAND PACKERS AND PACKAGERS	390	450	60	15.4	70	11	SHORT-TERM ON-THE-JOB TRAINING
909	98905	VEHICLE WASHERS, EQUIP CLEANERS	290	320	30	10.3	70	11	SHORT-TERM ON-THE-JOB TRAINING
910	98999	MISC HELPERS, LABORERS--HAND, NEC	1,480	1,690	210	14.2	300	11	SHORT-TERM ON-THE-JOB TRAINING
911		OCCUPATIONS NOT CLASSIFIED	50	50	0	0.0	0	12	NOT CLASSIFIED

(1) Employment and projections contained in these tables are considered estimates. See introduction for an explanation of data limitations.

(2) March 2000 Benchmark



**Table 7**  
**Occupations With The Most Openings (1)**  
**(Growth plus Separations)**  
**1999 - 2006**  
**MARIN COUNTY**

CA OES CODE	OCCUPATION	NUMBER OF JOB OPENINGS	BLS TRAINING LEVEL	EDUCATION / EXPERIENCE
49011	SALESPERSONS, RETAIL	1,680	11	SHORT-TERM ON-THE-JOB TRAINING
49023	CASHIERS	1,320	11	SHORT-TERM ON-THE-JOB TRAINING
65008	WAITERS AND WAITRESSES	1,170	11	SHORT-TERM ON-THE-JOB TRAINING
55347	GENERAL OFFICE CLERKS	890	11	SHORT-TERM ON-THE-JOB TRAINING
65041	COMBINED FOOD PREP AND SERVICE	830	11	SHORT-TERM ON-THE-JOB TRAINING
19005	GENERAL MANAGERS, TOP EXECUTIVE	810	4	WORK EXP., PLUS A BACHELOR'S OR HIGHER
65038	FOOD PREPARATION WORKERS	560	11	SHORT-TERM ON-THE-JOB TRAINING
31305	TEACHERS--ELEMENTARY SCHOOL	550	5	BACHELOR'S DEGREE
79041	LABORERS, LANDSCAPING/GROUNDSKEEPING	530	11	SHORT-TERM ON-THE-JOB TRAINING
87102	CARPENTERS	520	9	LONG-TERM ON-THE-JOB TRAINING
67005	JANITORS, CLEANERS--EXCEPT MAID	430	11	SHORT-TERM ON-THE-JOB TRAINING
51002	FIRST-LINE SUP/MGR, CLERK, ADM	410	8	WORK EXPERIENCE
65026	COOKS--RESTAURANT	370	9	LONG-TERM ON-THE-JOB TRAINING
41002	FIRST-LINE SUP/MGR--SALES	360	8	WORK EXPERIENCE
55305	RECEPTIONISTS, INFORMATION CLERKS	350	11	SHORT-TERM ON-THE-JOB TRAINING
22127	COMPUTER ENGINEERS	330	5	BACHELOR'S DEGREE
31308	TEACHERS--SECONDARY SCHOOL	330	5	BACHELOR'S DEGREE
49017	COUNTER AND RENTAL CLERKS	330	11	SHORT-TERM ON-THE-JOB TRAINING
87402	PAINTERS, PAPERHANGERS--CONSTRUCTION	330	10	MODERATE-TERM ON-THE-JOB TRAINING
32502	REGISTERED NURSES	300	6	ASSOCIATE DEGREE
25102	SYSTEMS ANALYSTS--ELEC DATA PROCESSING	290	5	BACHELOR'S DEGREE
65017	COUNTER ATTENDANTS--FOOD	290	11	SHORT-TERM ON-THE-JOB TRAINING
97105	TRUCK DRIVERS, LIGHT	280	11	SHORT-TERM ON-THE-JOB TRAINING
34056	PRODUCERS, DIRECTORS, ACTORS	270	9	LONG-TERM ON-THE-JOB TRAINING
31521	TEACHER AIDES, PARAPROFESSIONAL	260	6	ASSOCIATE DEGREE

**Table 7**  
**Occupations With The Most Openings (1)**  
**(Growth plus Separations)**  
**1999 - 2006**  
**MARIN COUNTY**

CA OES CODE	OCCUPATION	NUMBER OF JOB OPENINGS	BLS TRAINING LEVEL	EDUCATION / EXPERIENCE
49008	SALES REPS, NON-SCIENTIFIC EX RETAIL	240	10	MODERATE-TERM ON-THE-JOB TRAINING
25104	COMPUTER SUPPORT SPECIALISTS	230	5	BACHELOR'S DEGREE
85302	AUTOMOTIVE MECHANICS	230	9	LONG-TERM ON-THE-JOB TRAINING
55338	BOOKKEEPING, ACCOUNTING CLERKS *	220	10	MODERATE-TERM ON-THE-JOB TRAINING
25105	COMPUTER PROGRAMMERS	210	5	BACHELOR'S DEGREE
85132	MAINT REPAIRERS, GENL UTILITY	200	9	LONG-TERM ON-THE-JOB TRAINING
87202	ELECTRICIANS	190	9	LONG-TERM ON-THE-JOB TRAINING
97102	TRUCK DRIVERS, HEAVY	190	11	SHORT-TERM ON-THE-JOB TRAINING
21114	ACCOUNTANTS AND AUDITORS	180	5	BACHELOR'S DEGREE
31303	TEACHERS, PRESCHOOL	180	5	BACHELOR'S DEGREE
63047	GUARDS AND WATCH GUARDS	180	11	SHORT-TERM ON-THE-JOB TRAINING
65005	BARTENDERS	170	11	SHORT-TERM ON-THE-JOB TRAINING
55108	SECRETARIES, GENERAL *	160	7	POST-SECONDARY VOCATIONAL EDUCATION
63017	CORRECTION OFFICERS, JAILERS	160	9	LONG-TERM ON-THE-JOB TRAINING
65014	DINING ROOM ATTENDANTS, BAR HELPERS	160	11	SHORT-TERM ON-THE-JOB TRAINING
98312	HELPERS--CARPENTERS AND RELATED	160	11	SHORT-TERM ON-THE-JOB TRAINING
27308	HUMAN SERVICES WORKERS	150	10	MODERATE-TERM ON-THE-JOB TRAINING
49021	STOCK CLERKS--SALES FLOOR	150	11	SHORT-TERM ON-THE-JOB TRAINING
66008	NURSE AIDES, ORDERLIES, ATTENDANTS	150	11	SHORT-TERM ON-THE-JOB TRAINING
13002	FINANCIAL MANAGERS	140	4	WORK EXP., PLUS A BACHELOR'S OR HIGHER
53905	TEACHER AIDES & EDUC ASSTS, CLERICAL	140	11	SHORT-TERM ON-THE-JOB TRAINING
63014	POLICE PATROL OFFICERS	140	9	LONG-TERM ON-THE-JOB TRAINING
31321	INSTRUCTORS AND COACHES--SPORTS	130	10	MODERATE-TERM ON-THE-JOB TRAINING
67002	MAIDS AND HOUSEKEEPING CLEANERS	130	11	SHORT-TERM ON-THE-JOB TRAINING
68035	PERSONAL AND HOME CARE AIDES	130	11	SHORT-TERM ON-THE-JOB TRAINING
<b>TOTAL OF THESE OCCUPATIONS</b>		<b>18,110</b>		

(1) Excludes not elsewhere classified (NEC) categories.

\* These occupations appear because of the high number of separations, not growth.



**Table 8**  
**Occupations With Projected Declines (1)**  
**1999 - 2006**  
**MARIN COUNTY**

CA OES CODE	OCCUPATION	ANNUAL AVERAGES		NUMBER OF JOB DECLINES	OPENINGS DUE TO SEPARATIONS	BLS TRAINING LEVEL	EDUCATION / EXPERIENCE
		1999(2)	2006				
55307	TYPISTS, INCLUDING WORD PROCESSING	450	360	-90	60	10	MODERATE-TERM ON-THE-JOB TRAINING
55108	SECRETARIES, GENERAL	1,910	1,860	-50	210	7	POST-SECONDARY VOCATIONAL EDUCATION
56011	COMPUTER OPS--EX PERIPHERAL EQUIPMENT	240	190	-50	20	10	MODERATE-TERM ON-THE-JOB TRAINING
55338	BOOKKEEPING, ACCOUNTING CLERKS	2,030	1,990	-40	260	10	MODERATE-TERM ON-THE-JOB TRAINING
56017	DATA ENTRY KEYERS--EX COMPOSING	330	310	-20	20	7	POST-SECONDARY VOCATIONAL EDUCATION
53314	INSURANCE POLICY PROCESSING CLERKS	290	280	-10	30	10	MODERATE-TERM ON-THE-JOB TRAINING
65023	BUTCHERS AND MEAT CUTTERS	170	160	-10	30	9	LONG-TERM ON-THE-JOB TRAINING
57102	SWITCHBOARD OPERATORS	130	120	-10	20	11	SHORT-TERM ON-THE-JOB TRAINING
25108	COMPUTER PROGRAMMER AIDES	60	50	-10	10	5	BACHELOR'S DEGREE
25302	OPS, SYS RESEARCHERS--EX COMPUTER	60	50	-10	10	3	MASTER'S DEGREE
43011	APPRAISERS--REAL ESTATE	60	50	-10	10	8	WORK EXPERIENCE
55302	STENOGRAPHERS AND/OR COURT REPORTERS	100	90	-10	10	7	POST-SECONDARY VOCATIONAL EDUCATION
<b>TOTAL OF THESE OCCUPATIONS</b>		<b>5,830</b>	<b>5,510</b>	<b>-320</b>	<b>690</b>		

(1) Excludes not elsewhere classified (NEC) categories.

(2) March 2000 Benchmark





---

# Appendix





## Alphabetical Index of Occupations

OCCUPATION	LINE NUMBER	CALIFORNIA OES CODE
ABLE SEAMEN	856	97514
ACCOUNTANTS AND AUDITORS	30	21114
ACCOUNTANTS, AUDITORS, FINANCE SPECIALISTS	25	21100
ACTUARIES	114	25313
ADJUDICATORS, JUDICIAL REVIEWERS	137	28105
ADJUSTMENT CLERKS	311	53123
ADMINISTRATIVE SERVICES MANAGERS	7	13014
ADVERTISING CLERKS	335	53908
AERONAUTICAL, ASTRONAUTICAL ENGINEERS	53	22102
AGRICULTURAL AND FOOD SCIENTISTS	91	24305
AGRICULTURAL ENGINEERS	60	22123
AGRICULTURAL SCIENCES TEACHERS, POSTSECONDARY	150	31201
AGRICULTURAL, FORESTRY, FISHING	468	70000
AGRICULTURE, FORESTRY, FISHING--NEC	491	79999
AIR HAMMER OPERATORS	598	87702
AIR TRANSPORTATION WORKERS	859	97700
AIRCRAFT ASSEMBLERS--PRECISION	793	93102
AIRCRAFT ENGINE SPECIALISTS	527	85326
AIRCRAFT MECHANICS	526	85323
AIRCRAFT PILOTS, FLIGHT ENGINEERS	860	97702
AIRPLANE DISPATCHERS, AIR TRAFFIC CONTROLLER	267	39002
AMBULANCE DRIVERS, ATTENDANTS, EX EMERGENCY MEDICAL TECHNICIANS	442	66023
AMUSEMENT, RECREATION ATTENDANTS	456	68014
ANIMAL BREEDERS	481	79015
ANIMAL CARETAKERS--EXCEPT FARM	483	79017
ANIMAL TRAINERS	482	79016
ANNOUNCERS--EX RADIO, TELEVISION	252	34021
ANNOUNCERS--RADIO AND TELEVISION	251	34017
ANTHROPOLOGY & SOCIOLOGY TEACHERS, POSTSECONDARY	166	31231
APPRAISERS--REAL ESTATE	280	43011
ARCHITECTS AND SURVEYORS	68	22300
ARCHITECTS--EX LANDSCAPE, MARINE	69	22302
ARCHITECTURE TEACHERS, POSTSECONDARY	162	31223
AREA, ETHNIC, & CULTURAL STUDIES TEACHERS, POSTSECONDARY	167	31232
ART, DRAMA, MUSIC TEACHERS, POSTSECONDARY	160	31218
ARTISTS AND RELATED WORKERS	257	34035
ASSEMBLERS AND FABRICATORS--HAND WORKING	791	93000
ASSEMBLERS, FABRICATORS--EX MACHINE, ELECTRICAL, PRECISION	819	93956
ASSEMBLERS, NEC--PRECISION	799	93197
ASSEMBLERS, PRECISION	792	93100
ASSESSORS	48	21917
ATHLETES, COACHES, UMPIRES, RELATED	265	34058
ATMOSPHERIC AND SPACE SCIENTISTS	86	24108
AUDIO-VISUAL SPECIALISTS	198	31508
AUTOMOTIVE BODY, RELATED REPAIRERS	520	85305
AUTOMOTIVE MECHANICS	519	85302
AUXILIARY EQUIPMENT OPERATORS--POWER	829	95023
BAGGAGE PORTERS AND BELLHOPS	459	68023
BAILIFFS	408	63023
BAKERS--BREAD AND PASTRY	425	65021



## Alphabetical Index of Occupations

OCCUPATION	LINE NUMBER	CALIFORNIA OES CODE
BAKERS--MANUFACTURING	674	89805
BANKING, SECURITY, FINANCE, CREDIT WORKERS	303	53100
BARBERS	452	68002
BARTENDERS	420	65005
BICYCLE REPAIRERS	565	85951
BILL AND ACCOUNT COLLECTORS	323	53508
BILLING, COST, AND RATE CLERKS	357	55344
BILLING, POSTING, CALCULATING MACHINE OPERATORS	360	56002
BINDERY MACHINE OPERATORS, TENDERS	750	92546
BINDERY MACHINE SETTERS, SET-UP OPERATORS	745	92525
BIOLOGICAL SCIENTISTS	92	24308
BIOLOGICAL, AGRICULTURAL, FOOD TECHS	96	24502
BLASTERS AND EXPLOSIVES WORKERS	614	87905
BOILER OPERATORS, TENDERS--LOW PRESSURE	772	92926
BOILERMAKERS	640	89135
BOOKBINDERS	670	89721
BOOKKEEPING, ACCOUNTING, AUDITING CLERKS	355	55338
BRATTICE BUILDERS	576	87121
BRICKMASONS	580	87302
BRIDGE, LOCK, LIGHTHOUSE TENDERS	862	97802
BROADCAST NEWS ANALYSTS	250	34014
BROADCAST TECHNICIANS	255	34028
BROKERAGE CLERKS	313	53128
BROKERS--REAL ESTATE	278	43005
BUDGET ANALYSTS	31	21117
BUS AND TRUCK MECHANICS	522	85311
BUS DRIVERS	838	97108
BUS DRIVERS--SCHOOL	839	97111
BUSINESS TEACHERS, POSTSECONDARY	174	31242
BUTCHERS AND MEAT CUTTERS	426	65023
CABINETMAKERS AND BENCH CARPENTERS	646	89311
CAMERA OPERATORS	665	89713
CAMERA OPERATORS--TELEVISION AND MOTION PICTURE	254	34026
CAMERA, PHOTOGRAPHIC EQUIPMENT REPAIRERS	554	85914
CANNERY WORKERS	812	93935
CAPTAINS--WATER VESSEL	852	97502
CARDIOLOGY TECHNOLOGISTS	239	32925
CARPENTERS	571	87102
CARPENTRY AND RELATED WORKERS	570	87100
CARPET CUTTERS, DIAGRAMMERS, SEAMERS	811	93932
CARPET INSTALLERS	594	87602
CARPET, FLOOR INSTALLERS	593	87600
CASHIERS	294	49023
CEILING TILE INSTALLERS	572	87105
CEMENTING, GLUING MACHINE OPERATORS, TENDERS	782	92956
CENTRAL OFFICE AND PBX INSTALLERS	531	85502
CENTRAL OFFICE OPERATORS	372	57108
CHEMICAL ENGINEERS	57	22114
CHEMICAL EQUIPMENT CONTROLLERS, OPERATORS	775	92935
CHEMICAL EQUIPMENT TENDERS	776	92938



## Alphabetical Index of Occupations

OCCUPATION	LINE NUMBER	CALIFORNIA OES CODE
CHEMICAL PLANT, SYSTEM OPERATORS	824	95008
CHEMICAL TECHS--EXCEPT HEALTH	97	24505
CHEMISTRY TEACHERS, POSTSECONDARY	152	31204
CHEMISTS, EXCEPT BIOCHEMISTS	85	24105
CHILD CARE WORKERS	464	68038
CHIROPRACTORS	209	32113
CHOKE SETTERS	473	73005
CIVIL ENGINEERING TECHS	74	22502
CIVIL ENGINEERS--INCLUDING TRAFFIC	59	22121
CLAIMS EXAMINERS--INSURANCE	49	21921
CLAIMS TAKERS--UNEMPLOYMENT BENEFITS	38	21502
CLEANING, BUILDING SERVICE WORKERS	445	67000
CLEANING, BUILDING SERVICE WORKERS, NEC	450	67099
CLEANING, WASHING, PICKLING EQUIPMENT OPERATORS, TENDERS	783	92958
CLERGY	131	27502
CLERICAL & ADMINISTRATIVE SUPPORT WORKERS, NEC	393	59999
CLERICAL, ADMINISTRATIVE SUPPORT	299	50000
CLERICAL, ADMINISTRATIVE SUPPORT, NEC	392	59000
COIL WINDERS, TAPERS, FINISHERS	803	93908
COIN, VENDING MACHINE SERVICERS	564	85947
COMBINATION MACHINE TOOL OPERATORS--METAL, PLASTIC	707	91508
COMBINATION MACHINE TOOL SETTERS--METAL, PLASTIC	706	91505
COMBINED FOOD PREPARATION, SERVICE WORKERS	432	65041
COMMUNICATION EQUIPMENT MECHANICS, NEC	536	85599
COMMUNICATION EQUIPMENT OPERATORS, NEC	374	57199
COMMUNICATIONS EQUIPMENT MECHANICS, INSTALLERS, REPAIRERS	530	85500
COMMUNICATIONS EQUIPMENT OPERATORS	369	57100
COMMUNICATIONS TEACHERS, POSTSECONDARY	157	31213
COMMUNICATIONS, MAIL DISTRIBUTION	368	57000
COMMUNICATIONS, TRANSPORTATION, UTILITIES OPERATION MANAGERS	16	15023
COMPLIANCE OFFICERS, ENFORCEMENT INSPECTORS--EX CONSTRUCTION	46	21911
COMPUTER ENGINEERS	62	22127
COMPUTER OPERATIONS--EX PERIPHERAL EQUIPMENT	363	56011
COMPUTER PROGRAMMER AIDES	107	25108
COMPUTER PROGRAMMERS	106	25105
COMPUTER SCIENCE TEACHERS, POSTSECONDARY	164	31226
COMPUTER SCIENTISTS AND RELATED	102	25100
COMPUTER SCIENTISTS, RELATED WORKERS, NEC	109	25199
COMPUTER SUPPORT SPECIALISTS	105	25104
COMPUTER, MATHEMATICAL OPERATIONS RESEARCH, RELATED	101	25000
CONCRETE AND TERRAZZO FINISHERS	583	87311
CONST, EXTRACTIVE--EX HELPERS, NEC	626	87999
CONSTRUCTION MANAGERS	14	15017
CONSTRUCTION TRADES	569	87000
CONSTRUCTION TRADES WORKERS, NEC	611	87899
CONSTRUCTION TRADES, EXTRACTIVE--HELPERS	891	98300
CONSTRUCTION TRADES, NEC	603	87800
CONSTRUCTION, BUILDING INSPECTORS	45	21908
CONTINUOUS MINING MACHINE OPERATOR	622	87941
CONVEYOR OPERATORS AND TENDERS	883	97951



## Alphabetical Index of Occupations

OCCUPATION	LINE NUMBER	CALIFORNIA OES CODE
COOKING MACHINE OPERATORS,TENDERS--FOOD,TOBACCO	769	92917
COOKS--FAST FOOD	429	65032
COOKS--INSTITUTION OR CAFETERIA	428	65028
COOKS--RESTAURANT	427	65026
COOKS--SHORT ORDER	430	65035
COOLING, FREEZING EQUIPMENT OPERATORS, TENDERS	773	92928
CORRECTION OFFICERS, JAILERS	406	63017
CORRECTIVE, MANUAL ARTS THERAPISTS	216	32311
CORRESPONDENCE CLERKS	348	55317
COST ESTIMATORS	43	21902
COUNTER AND RENTAL CLERKS	292	49017
COUNTER ATTENDANTS--FOOD	424	65017
COURT CLERKS	325	53702
CRANE AND TOWER OPERATORS	881	97944
CREDIT ANALYSTS	27	21105
CREDIT AUTHORIZERS	308	53114
CREDIT CHECKERS	309	53117
CRIMINAL INVESTIGATORS, PUBLIC SERVICE	410	63028
CRIMINAL JUSTICE & LAW ENFORCEMENT TEACHERS	176	31246
CROSSING GUARDS	415	63044
CRUSHING, GRINDING, MIXING MACHINE OPERATORS, TENDERS	785	92965
CURATORS, ARCHIVISTS, AND RELATED	199	31511
CUSTOM TAILORS AND SEWERS	651	89505
CUSTOMER SERVICE REPRESENTATIVES--UTILITIES	354	55335
CUTTERS AND TRIMMERS--HAND	809	93926
CUTTING, FORMING, FABRICATING, PROCESSING MACHINE OPERATORS	731	92198
CUTTING, FORMING, FABRICATING, PROCESSING MACHINE SETTER	730	92197
CUTTING, SLICING MACHINE OPERATORS, TENDERS	778	92944
CUTTING, SLICING MACHINE SETTERS, SET-UP OPERATORS	777	92941
DAIRY PROCESSING EQUIPMENT OPERATORS--INCLUDING SETTERS	774	92932
DANCERS AND CHOREOGRAPHERS	263	34053
DATA BASE ADMINISTRATORS	104	25103
DATA ENTRY KEYERS--EX COMPOSING	365	56017
DATA KEYERS--COMPOSING	366	56021
DATA PROCESSING EQUIPMENT REPAIRERS	539	85705
DEMONSTRATORS AND PROMOTERS	296	49034
DENTAL ASSISTANTS	435	66002
DENTAL HYGIENISTS	233	32908
DENTAL LAB TECHNICIANS, PRECISION	684	89921
DENTISTS	206	32105
DERRICK OPERATORS--OIL, GAS EXTRACTION	617	87914
DESIGNERS, EX INTERIOR DESIGNERS	258	34038
DETAIL DESIGN DECORATORS, PAINTERS, PRECISION	681	89911
DETECTIVES, INVESTIGATORS--EX PUBLIC	412	63035
DIETETIC TECHNICIANS	229	32523
DIETITIANS AND NUTRITIONISTS	228	32521
DINING ROOM ATTENDANTS, BAR HELPERS	423	65014
DIRECTORS, RELIGIOUS ACTIVITIES, EDUCATION	132	27505
DIRECTORY ASSISTANCE OPERATORS	371	57105
DISPATCHERS--EX POLICE, FIRE, AMBULANCE	382	58005



## Alphabetical Index of Occupations

OCCUPATION	LINE NUMBER	CALIFORNIA OES CODE
DISPATCHERS--POLICE, FIRE, AMBULANCE	381	58002
DRAFTERS	78	22514
DRAGLINE OPERATORS	875	97926
DREDGE OPERATORS	876	97928
DRILLING MACHINE SETTERS--METAL, PLASTIC	692	91108
DRIVER/SALES WORKERS	841	97117
DRYWALL INSTALLERS	573	87108
DUPLICATING MACHINE OPERATORS	361	56005
DYERS, PRECISION	656	89521
EARTH DRILLERS, EXCEPT OIL AND GAS	613	87902
ECONOMICS TEACHERS, POSTSECONDARY	168	31233
ECONOMISTS--INCLUDING MARKET RESEARCH ANALYSTS	120	27102
EDUCATION ADMINISTRATORS	10	15005
EDUCATION TEACHERS, POSTSECONDARY	178	31252
ELECTRIC HOME APPLIANCE & POWER TOOL REPAIRERS	541	85711
ELECTRIC METER INSTALLERS, REPAIRERS	553	85911
ELECTRIC MOTOR, AND RELATED REPAIRERS	542	85714
ELECTRICAL AND RELATED WORKERS	577	87200
ELECTRICAL EQUIPMENT ASSEMBLERS--PRECISION	797	93114
ELECTRICAL EQUIPMENT MECHANICS, NEC	548	85799
ELECTRICAL INSTALLERS--TRANSPORTATION EQUIPMENT	547	85728
ELECTRICAL POWER-LINE INSTALLERS	545	85723
ELECTRICAL, ELECTRONIC ASSEMBLERS	802	93905
ELECTRICAL, ELECTRONIC ENGINEERING TECHS	75	22505
ELECTRICAL, ELECTRONIC ENGINEERS	61	22126
ELECTRICIANS	578	87202
ELECTROCARDIOGRAPH TECHNICIANS	240	32926
ELECTROLYTIC PLATING, MACHINE OPERATORS	721	91921
ELECTROLYTIC PLATING, MACHINE SETTER	720	91917
ELECTROMECHANICAL EQUIPMENT ASSEMBLERS--PRECISION	796	93111
ELECTROMEDICAL, BIOMEDICAL EQUIPMENT REPAIRER	552	85908
ELECTRONEURODIAGNOSTIC TECHNOLOGISTS	238	32923
ELECTRONIC DATA PROCESSING AND OFFICE MACHINE WORKERS	359	56000
ELECTRONIC HOME ENTERTAINMENT EQUIPMENT REPAIRERS	540	85708
ELECTRONIC PAGINATION SYSTEM WORKERS	662	89707
ELECTRONIC SEMICONDUCTOR PROCESSORS	764	92902
ELECTRONICS REPAIRERS--COMMERCIAL AND INDUSTRIAL	543	85717
ELEVATOR INSTALLERS AND REPAIRERS	560	85932
ELEVATOR OPERATORS	449	67011
EMBALMERS	271	39014
EMERGENCY MEDICAL TECHNICIANS	223	32508
EMPLOYMENT INTERVIEWERS--PRIVATE OR PUBLIC	40	21508
ENGINEERING TEACHERS, POSTSECONDARY	161	31222
ENGINEERING, MATHEMATICAL, AND NATURAL SCIENCE MANAGERS	8	13017
ENGINEERING, RELATED TECHS	73	22500
ENGINEERING, RELATED TECHS, NEC	81	22599
ENGINEERS	52	22100
ENGINEERS, ARCHITECTS, SURVEYORS	51	22000
ENGINEERS, NEC	67	22199
ENGLISH LANGUAGE & LITERATURE TEACHERS, POSTSECONDARY	158	31214



# Alphabetical Index of Occupations

OCCUPATION	LINE NUMBER	CALIFORNIA OES CODE	VIA
ENGRAVING, PRINTING WORKERS--HAND	817	93951	
ESTIMATORS, DRAFTERS--UTILITIES	79	22517	
ETCHERS, ENGRAVERS--PRECISION	638	89128	
EXCAVATING, LOADING MACHINE OPS	874	97923	
EXTRACTIVE AND RELATED WORKERS	612	87900	
EXTRACTIVE WORKERS--EX HELPERS, NEC	625	87989	
EXTRUDING MACHINE OPERATORS, TENDERS--SYNTHETIC/GLASS	755	92708	
EXTRUDING MACHINE SETTERS--METAL, PLASTIC	700	91311	
EXTRUDING, FORMING MACHINE OPERATORS, TENDERS	787	92971	
EXTRUDING, FORMING, SETTERS, SET-UP OPERATORS	786	92968	
FALLERS AND BUCKERS	472	73002	
FARM AND HOME MANAGEMENT ADVISORS	193	31323	
FARM EQUIPMENT MECHANICS	525	85321	
FARM EQUIPMENT OPERATORS	484	79021	
FARMWORKERS-FARM/RANCH ANIMALS	490	79858	
FARMWORKERS-FOOD, FIBER CROPS	489	79856	
FENCE ERECTORS	610	87817	
FILE CLERKS	349	55321	
FILM EDITORS	256	34032	
FINANCIAL ANALYSTS, STATISTICAL	115	25315	
FINANCIAL MANAGERS	3	13002	
FINANCIAL SPECIALISTS, NEC	32	21199	
FIRE FIGHTERS	403	63008	
FIRE FIGHTING & PREVENTION SUPERVISORS	396	61002	
FIRE INSPECTORS	401	63002	
FIRST-LINE SUP/MGR-AGRICULTURE	470	72002	
FIRST-LINE SUP/MGR-AGRICULTURE, FORESTRY, FISHING	469	72000	
FIRST-LINE SUP/MGR-BLUE COLLAR	493	81000	
FIRST-LINE SUP/MGR-BLUE COLLAR, NEC	499	81099	
FIRST-LINE SUP/MGR-CLERICAL, ADMINISTRATIVE SUPPORT	300	51000	
FIRST-LINE SUP/MGR-CLERICAL, ADMINISTRATIVE SUPPORT	301	51002	
FIRST-LINE SUP/MGR-CONSTRUCTION, EXTRACTIVE	495	81005	
FIRST-LINE SUP/MGR-HELPERS, LABORERS	498	81017	
FIRST-LINE SUP/MGR-MECHANICS, INSTALLERS, REPAIRERS	494	81002	
FIRST-LINE SUP/MGR-PRODUCTION, OPERATING	496	81008	
FIRST-LINE SUP/MGR-SALES	274	41000	
FIRST-LINE SUP/MGR-SALES	275	41002	
FIRST-LINE SUP/MGR-SERVICE	395	61000	
FIRST-LINE SUP/MGR-SERVICE WORKERS, NEC	399	61099	
FIRST-LINE SUP/MGR-TRANSPORTATION	497	81011	
FISH AND GAME WARDENS	414	63041	
FITTERS, STRUCTURAL METAL--PRECISION	795	93108	
FLIGHT ATTENDANTS	460	68026	
FLOOR LAYERS--EX CARPET, WOOD, TILES	595	87605	
FLOOR SANDING MACHINE OPERATORS	596	87608	
FOOD AND TOBACCO WORKERS, NEC	676	89899	
FOOD BATCHMAKERS	675	89808	
FOOD PREPARATION WORKERS	431	65038	
FOOD SERVERS--OUTSIDE	422	65011	
FOOD SERVICE AND LODGING MANAGERS	17	15026	



## Alphabetical Index of Occupations

OCCUPATION	LINE NUMBER	CALIFORNIA OES CODE
FOOD SERVICE WORKERS, NEC	433	65099
FOOD WORKERS, PRECISION	672	89800
FOOD, BEVERAGE PREPARATION, SERVICE WORKERS	418	65000
FOREIGN LANGUAGE & LITERATURE TEACHERS, POSTSECONDARY	159	31215
FOREST FIRE INSPECTORS, PREVENTION SPECIALISTS	402	63005
FOREST, CONSERVATION WORKERS	478	79002
FORESTERS, CONSERVATION SCIENTISTS	90	24302
FORGING MACHINE SETTERS--METAL, PLASTIC	702	91317
FOUNDRY MOLD ASSEMBLY, SHAKE-OUT	719	91914
FOUNDRY MOLD, COREMAKERS, PRECISION	678	89902
FRAME WIRERS, CENTRAL OFFICE	532	85505
FREIGHT, MATERIAL MOVERS-HAND, NEC	906	98799
FREIGHT, STOCK, MATERIAL MOVERS, HAND	903	98700
FUNERAL ATTENDANTS	465	68041
FUNERAL DIRECTORS AND MORTICIANS	270	39011
FURNACE OPERATORS AND TENDERS	726	91935
FURNACE, KILN, OVEN, DRIER, KETTLE OPERATORS, TENDERS	771	92923
FURNITURE FINISHERS	647	89314
GAS APPLIANCE REPAIRERS	563	85944
GAS COMPRESSOR OPERATORS	873	97921
GAS PLANT OPERATORS	823	95005
GAS PUMPING STATION OPERATORS	872	97917
GAUGERS	827	95017
GEM AND DIAMOND WORKERS	686	89926
GENERAL MANAGERS, TOP EXECUTIVES	21	19005
GENERAL OFFICE CLERKS	358	55347
GEOGRAPHY TEACHERS, POSTSECONDARY	169	31234
GEOLOGISTS, GEOPHYSICISTS, OCEANOGRAPHERS	87	24111
GLAZIERS	608	87811
GLAZIERS, MANUFACTURING	804	93911
GRADER, BULLDOZER, SCRAPER OPERATORS	879	97938
GRADERS, SORTERS--AGRICULTURAL PRODUCTS	480	79011
GRADUATE ASSISTANTS, TEACHING	149	31117
GRINDING MACHINE SETTER--METAL, PLASTIC	694	91114
GRINDING, POLISHING WORKERS--HAND	818	93953
GUARDS AND WATCH GUARDS	416	63047
GUIDES	457	68017
HAIRDRESSERS, HAIRSTYLISTS, COSMETOLOGISTS	453	68005
HAND COMPOSITORS AND TYPESETTERS	659	89702
HAND PACKERS AND PACKAGERS	908	98902
HAND WORKERS, NEC	820	93999
HAND WORKERS--JEWELRY, PRECISION	637	89126
HARD TILE SETTERS	582	87308
HAZARDOUS MATERIALS REMOVAL WORKERS	605	87803
HEAD SAWYERS	734	92305
HEALTH ASSESSMENT, TREATMENT TEACHERS, POSTSECONDARY	156	31212
HEALTH CARE MAINTENANCE, TREATING	220	32500
HEALTH CARE PROFESSIONALS, PARAPROFESSIONALS, TECHNICIANS NEC	244	32999
HEALTH DIAGNOSING, TREATING PRACTITIONERS	204	32100
HEALTH DIAGNOSING, TREATING, NEC	211	32199



# Alphabetical Index of Occupations

OCCUPATION	LINE NUMBER	CALIFORNIA OES CODE
HEALTH DIAGNOSTICS TEACHERS, POSTSECONDARY	155	31211
HEALTH PRACTITIONERS, TECHS, RELATED	203	32000
HEALTH SERVICE WORKERS, NEC	444	66099
HEALTH SERVICE, RELATED WORKERS	434	66000
HEAT TREATING MACHINE OPERATORS, TENDERS	725	91932
HEATERS, METAL & PLASTIC	727	91938
HEATING EQUIPMENT SETTERS-METAL, PLASTIC	724	91928
HEATING, AIR CONDITIONING, REFRIGERATION MECHANICS	550	85902
HELPERS, LABORERS, HAND-EX AG	888	98000
HELPERS, MECHANIC & REPAIRER	890	98102
HELPERS--BRICK, STONE MASONS	892	98311
HELPERS--CARPENTERS AND RELATED	893	98312
HELPERS-CONSTRUCTION TRADES & EXTRACTIVE WORKERS	900	98399
HELPERS--CONSTRUCTION TRADES, NEC	898	98319
HELPERS--ELECTRICIANS, POWERLINE INSTALLERS	894	98313
HELPERS-EXTRACTIVE WORKERS	899	98323
HELPERS-PAINTERS AND RELATED	895	98314
HELPERS-PLUMBERS AND RELATED	896	98315
HELPERS-ROOFERS	897	98316
HIGHWAY MAINTENANCE WORKERS	601	87711
HISTORY TEACHERS, POSTSECONDARY	170	31235
HOIST AND WINCH OPERATORS	880	97941
HOME ECONOMICS TEACHERS, POSTSECONDARY	182	31262
HOME HEALTH AIDES	438	66011
HOSTS, HOSTESSES--RESTAURANTS	419	65002
HOTEL DESK CLERKS	331	53808
HOUSEKEEPING SUPERVISORS	398	61008
HUMAN SERVICES WORKERS	128	27308
INDUSTRIAL ENGINEERING TECHS	76	22508
INDUSTRIAL ENGINEERS-EXCEPT SAFETY	63	22128
INDUSTRIAL PRODUCTION MANAGERS	13	15014
INDUSTRIAL TRUCK,TRACTOR OPERATORS	882	97947
INDUSTRY SPECIFIC CLERICAL, ADMINISTRATIVE SUPPORT	302	53000
INSPECTORS, PRECISION, TESTERS & GRADERS	501	83002
INSPECTORS, PRODUCTION, TESTERS & GRADERS	502	83005
INSPECTORS, RELATED OCCUPATIONS	500	83000
INSPECTORS, TESTERS, RELATED, NEC	504	83099
INSTALLERS & REPAIRERS, MOBILE HOME	562	85938
INSTRUCTIONAL COORDINATORS	201	31517
INSTRUCTORS AND COACHES-SPORTS	192	31321
INSTRUCTORS--NON-VOC EDUCATION	191	31317
INSTRUMENT MAKERS, PRECISION	630	89105
INSTRUMENT REPAIRERS, PRECISION	551	85905
INSULATION WORKERS	604	87802
INSURANCE ADJUSTERS, EXAMINERS, INVESTIGATORS	315	53302
INSURANCE APPRAISERS-AUTO DAMAGE	316	53305
INSURANCE CLAIMS CLERKS	318	53311
INSURANCE EXAMINING CLERKS	317	53308
INSURANCE POLICY PROCESSING CLERKS	319	53314
INSURANCE UNDERWRITERS	26	21102



## Alphabetical Index of Occupations

OCCUPATION	LINE NUMBER	CALIFORNIA OES CODE
INSURANCE WORKERS	314	53300
INTERIOR DESIGNERS	259	34041
INTERVIEWING CLERKS--EX PERSONNEL, WELFARE	353	55332
INVESTIGATIVE, RELATED, EX INSURANCE	320	53500
INVESTIGATORS--CLERICAL	322	53505
JANITORS, CLEANERS--EXCEPT MAIDS	447	67005
JEWELERS AND SILVERSMITHS	636	89123
JOB PRINTERS	660	89705
JUDGES AND MAGISTRATES	136	28102
LABORERS, LANDSCAPING/GROUNDSKEEPING	487	79041
LANDSCAPE ARCHITECTS	71	22308
LATHE MACHINE SETTERS--METAL, PLASTIC	691	91105
LATHERS	575	87114
LAUNDRY, DRYCLEAN MACHINE OPERATORS--EX PRESSING	761	92726
LAW AND RELATED OCCUPATIONS	134	28000
LAW CLERKS	140	28302
LAW TEACHERS, POSTSECONDARY	175	31244
LAWN SERVICE MANAGER	19	15032
LAWYERS	138	28108
LAWYERS AND RELATED WORKERS	135	28100
LAYOUT WORKERS--METAL, PRECISION	634	89117
LECTURERS	147	31111
LEGAL ASSISTANTS, TECHNICIANS, EX CLERICAL	139	28300
LEGAL ASSISTANTS, TECHNICIANS--EX CLERICAL, NEC	144	28399
LETTERPRESS SETTERS, SET-UP OPS	741	92515
LIBRARIANS, ARCHIVISTS AND RELATED	195	31500
LIBRARIANS--PROFESSIONAL	196	31502
LIBRARY ASSISTANTS & BOOKMOBILE DRIVERS	333	53902
LIBRARY SCIENCE TEACHERS, POSTSECONDARY	180	31256
LICENSE CLERKS	327	53708
LICENSED PRACTICAL NURSES	222	32505
LIFE SCIENCES TEACHERS, POSTSECONDARY	151	31202
LIFE SCIENTISTS	89	24300
LIFE SCIENTISTS, NEC	94	24399
LITHOGRAPHY & PHOTOENGRAVING, PRECISION	663	89710
LITHOGRAPHY& PHOTOENGRAVING WORKERS,NEC	669	89719
LOADING MACHINE OPERATORS--MINING	877	97932
LOAN AND CREDIT CLERKS	310	53121
LOAN INTERVIEWERS	307	53111
LOAN OFFICERS AND COUNSELORS	28	21108
LOCKSMITHS AND SAFE REPAIRERS	557	85923
LOCOMOTIVE ENGINEERS	845	97305
LOCOMOTIVE FIRERS	847	97311
LODGING AND TRAVEL WORKERS	328	53800
LOG GRADERS AND SCALERS	479	79008
LOGGING TRACTOR OPERATORS	475	73011
LOG-HANDLING EQUIPMENT OPERATORS	474	73008
LONGSHORE EQUIPMENT OPERATORS	867	97902
MACHINE ASSEMBLERS	801	93902
MACHINE BUILDERS, OTHER PRECISION MACHINE ASSEMBLERS	794	93105



# Alphabetical Index of Occupations

OCCUPATION	LINE NUMBER	CALIFORNIA OES CODE
MACHINE FEEDERS AND OFFBEARERS	901	98500
MACHINE FEEDERS AND OFFBEARERS, NEC	902	98502
MACHINE FORMING OPERATORS, TENDERS--METAL, PLASTIC	703	91321
MACHINE FORMING SETTERS--METAL, PLASTIC	696	91300
MACHINE OPERATORS AND TENDERS, NEC	790	92998
MACHINE SETTER, SET-UP, OPERATOR--EX METAL, PLASTIC	763	92900
MACHINE SETTERS, SET-UP OPERATORS, NEC	789	92997
MACHINE SETTERS, SET-UP, OPERATORS, TENDERS	688	91000
MACHINE TOOL CUTTING OPERATORS--METAL, PLASTIC	695	91117
MACHINE TOOL CUTTING--METAL, PLASTIC	689	91100
MACHINE TOOL SETTERS, OPERATORS--METAL, PLASTIC	704	91500
MACHINERY AND RELATED MECHANICS	506	85100
MACHINERY MAINTENANCE MECHANICS	507	85110
MACHINERY MAINTENANCE MECHANICS, NEC	513	85119
MACHINERY MAINTENANCE WORKERS	516	85128
MACHINISTS	631	89108
MAIDS AND HOUSEKEEPING CLEANERS	446	67002
MAIL CLERKS--EX MAIL MACHINE OPERATORS, POSTAL SERVICE	376	57302
MAIL MACH OPERATORS--PREPARATION AND HANDLING	362	56008
MAIL, MESSAGE DISTRIBUTION WORKERS	375	57300
MAIN LINE STATION ENGINEERS	871	97914
MAINTENANCE MECHANICS--MARINE EQUIPMENT	510	85116
MAINTENANCE MECHANICS--SEWING MACHINE	509	85113
MAINTENANCE MECHANICS--TEXTILE	508	85112
MAINTENANCE MECHANICS--WATER, POWER	512	85118
MAINTENANCE REPAIRERS, GENERAL UTILITY	517	85132
MANAGEMENT ANALYSTS	44	21905
MANAGEMENT SUPPORT OCCUPATIONS	24	21000
MANAGEMENT SUPPORT WORKERS, NEC	50	21999
MANAGERIAL AND ADMINISTRATIVE OCCUPATIONS	2	10000
MANAGERS AND ADMINISTRATORS, NEC	22	19999
MANICURISTS	454	68008
MARINE ARCHITECTS	70	22305
MARINE ENGINEERS	66	22138
MARKETING, ADVERTISING, PUBLIC RELATIONS MANAGERS	6	13011
MARKING CLERKS	387	58021
MASONRY AND RELATED WORKERS	579	87300
MATERIAL MOVEMENT EQUIP OPERATORS	866	97900
MATERIAL MOVING EQUIPMENT OPERATORS, NEC	886	97989
MATERIAL RECORDING, DISPATCHING	380	58000
MATERIAL RECORDING, RELATED, NEC	391	58099
MATES--SHIP, BOAT, AND BARGE	853	97505
MATHEMATICAL SCIENCES TEACHERS, POSTSECONDARY	163	31224
MATHEMATICAL SCIENTISTS	112	25310
MATHEMATICAL SCIENTISTS AND RELATED	110	25300
MATHEMATICAL SCIENTISTS, NEC	116	25319
MATHEMATICAL TECHNICIANS	117	25323
MEAT, POULTRY, FISH CUTTERS, TRIMMERS--HAND	813	93938
MECHANIC AND REPAIRER HELPERS	889	98100
MECHANICAL CONTROL, VALVE INSTALLERS	559	85928



## Alphabetical Index of Occupations

OCCUPATION	LINE NUMBER	CALIFORNIA OES CODE
MECHANICAL ENGINEERING TECHS	77	22511
MECHANICAL ENGINEERS	65	22135
MECHANICS, INSTALLERS, REPAIRERS	505	85000
MECHANICS, INSTALLERS, REPAIRERS, NEC	568	85999
MECHANICS, NEC	529	85399
MEDICAL APPLIANCE MAKERS	685	89923
MEDICAL ASSISTANTS	436	66005
MEDICAL RECORDS TECHNICIANS	234	32911
MEDICAL SCIENTISTS	93	24311
MEDICAL, CLINICAL LABORATORY TECHNICIANS	232	32905
MEDICAL, CLINICAL LABORATORY TECHNOLOGISTS	231	32902
MEDICINE, HEALTH SERVICES MGRS	11	15008
MENDERS, GARMENTS AND LINENS	567	85956
MERCHANDISE DISPLAYERS, WINDOW TRIMMERS	260	34044
MERCHANDISE, PRODUCTS AND OTHER SALES	286	49000
MESSENGERS	379	57311
METAL FABRICATING MACHINE SETTERS, OPERATORS	708	91700
METAL FABRICATOR, STRUCTURAL METAL PRODUCTS	713	91714
METAL MOLDING MACHINE OPERATORS AND TENDERS	718	91911
METAL MOLDING, MACHINE SETTER, SET-UP OPERATORS	717	91908
METAL POURERS, CASTERS--BASIC SHAPES	814	93941
METAL WORKERS, NEC--PRECISION	641	89199
METAL WORKERS, PRECISION	628	89100
METAL, PLASTIC MACHINE SETTERS, OPERATORS NEC	729	92100
METAL, PLASTIC PROCESSING MACHINE SETTERS	714	91900
METALLURGISTS, RELATED ENGINEERS	54	22105
METER READERS--UTILITIES	385	58014
MILLING MACHINE SETTERS--METAL, PLASTIC	693	91111
MILLWRIGHTS	514	85123
MINE CUTTING, CHANNELING MACHINE OPERATORS	623	87943
MINING ENGINEERS--INCLUDING MINE SAFETY	55	22108
MINING MACHINE OPERATORS	621	87940
MINING MACHINE OPERATORS, NEC	624	87949
MINING, QUARRYING, OIL AND GAS, RELATED MANAGERS	15	15021
MISC AG, FORESTRY, FISHING	477	79000
MISC HELPERS, LABORERS--HAND	907	98900
MISC HELPERS, LABORERS--HAND, NEC	910	98999
MISC METAL, PLASTIC MACHINE SETTERS, OPERATORS	728	91999
MISC SERVICE WORKERS	466	69000
MISC TRANSPORTATION WORKERS	861	97800
MISCELLANEOUS INDUSTRY SPECIFIC WORKERS	332	53900
MISCELLANEOUS MECHANICS, INSTALLERS, REPAIRERS	549	85900
MISCELLANEOUS PROFESSIONALS, PARAPROFESSIONALS, TECHNICAL	266	39000
MISCELLANEOUS SECRETARIAL, GENERAL OFFICE OCCUPATIONS	343	55300
MOBILE EQUIPMENT MECHANICS, INSTALLERS, REPAIRERS	518	85300
MOBILE HEAVY EQUIPMENT MECHANICS--EX ENGINES	523	85314
MODELS	297	49036
MOLDERS AND CASTERS--HAND	815	93944
MOLDERS, SHAPERS--EX JEWELRY	679	89905
MOTION PICTURE PROJECTIONISTS	765	92905



# Alphabetical Index of Occupations

OCCUPATION	LINE NUMBER	CALIFORNIA OES CODE
MOTOR VEHICLE OPERATORS	835	97100
MOTOR VEHICLE OPERATORS, NEC	842	97199
MOTORBOAT OPERATORS	855	97511
MOTORCYCLE REPAIRERS	521	85308
MUNICIPAL CLERKS	326	53705
MUNICIPAL WORKERS	324	53700
MUSIC DIRECTORS, SINGERS, COMPOSERS	261	34047
MUSICAL INSTRUMENT REPAIRERS AND TUNERS	556	85921
MUSICIANS--INSTRUMENTAL	262	34051
NATURAL SCIENTISTS AND RELATED WORKERS	82	24000
NEW ACCOUNTS CLERKS	305	53105
NONELECTROLYTIC PLATING MACHINE OPERATORS	723	91926
NONELECTROLYTIC PLATING MACHINE SETTERS	722	91923
NUCLEAR ENGINEERS	58	22117
NUCLEAR MEDICINE TECHNOLOGISTS	236	32914
NUCLEAR TECHNICIANS & TECHNOLOGISTS	98	24508
NUMERICAL MACHINE TOOL OPERATORS--METAL, PLASTIC	705	91502
NUMERICAL TOOL PROCESS PROGRAMMERS	108	25111
NURSE AIDES, ORDERLIES, ATTENDANTS	437	66008
NURSERY, GREENHOUSE MANAGER	18	15031
NURSING INSTRUCTORS, POSTSECONDARY	148	31114
OCCUPATIONAL THERAPISTS	214	32305
OCCUPATIONAL THERAPY ASSISTANTS & AIDES	441	66021
OCCUPATIONS NOT CLASSIFIED	911	
OFFICE MACHINE OPERATORS, NEC	367	56099
OFFICE MACHINE, CASH REGISTER SERVICERS	558	85926
OFFSET LITHOGRAPHIC PRESS SETTERS	740	92512
OIL PUMPS--EXCEPT WELLHEAD	869	97908
OPERATING ENGINEERS	885	97956
OPERATIONS, SYSTEMS RESEARCHERS, ANALYSTS--EX COMPUTER	111	25302
OPTICAL GOODS WORKERS, PRECISION	683	89917
OPTICIANS--DISPENSING, MEASURING	225	32514
OPTOMETRISTS	207	32108
ORDER CLERKS--MATERIALS, SERVICE	350	55323
ORDER FILLERS--WHOLESALE, RETAIL SALES	389	58026
ORDINARY SEAMEN AND MARINE OILERS	857	97517
OTHER ELECTRICAL EQUIPMENT MECHANICS	537	85700
OTHER HAND WORKERS	800	93900
OTHER HEALTH PROFESSIONALS, PARAPROFESSIONALS, TECHNICIANS	230	32900
OTHER MANAGEMENT SUPPORT WORKERS	42	21900
OTHER PRECISION WORKERS	677	89900
OTHER PROFESSIONAL, PARAPROFESSIONAL, TECHNICAL	272	39999
OTHER SOCIAL SCIENCE RELATED WORKERS	124	27300
OTHER TEACHERS AND INSTRUCTORS	184	31300
PACKAGING, FILLING MACHINE OPERATORS, TENDERS	788	92974
PAINTERS AND RELATED WORKERS	586	87400
PAINTERS, PAPERHANGERS--CONSTRUCTION & MAINTENANCE	587	87402
PAINTERS, TRANSPORTATION EQUIPMENT	779	92947
PAINTING, COATING, DECORATING--HAND	816	93947
PAINTING, COATING, SPRAYING MACHINE OPERATORS, TENDERS	781	92953



## Alphabetical Index of Occupations

OCCUPATION	LINE NUMBER	CALIFORNIA OES CODE
PAINTING, COATING, SPRAYING MACHINE SETTERS	780	92951
PAPER GOODS MACHINE SETTERS, SET-UP OPERATORS	768	92914
PARALEGAL PERSONNEL	141	28305
PARKING ENFORCEMENT OFFICERS	407	63021
PARKING LOT ATTENDANTS	864	97808
PARKS, RECREATION, LEISURE, FITNESS STUDIES TEACHERS, POSTSEC	181	31258
PASTE-UP WORKERS	661	89706
PATTERN AND MODEL MAKERS--METAL	633	89114
PATTERN AND MODEL MAKERS--WOOD	643	89302
PATTERN MARKERS--WOOD	644	89305
PATTERNMAKERS AND LAYOUT WORKERS	650	89502
PATTERNMAKERS, MODEL MAKERS, LAYOUT	680	89908
PAVING, TAMPING-EQUIPMENT OPERATORS	600	87708
PAYROLL AND TIMEKEEPING CLERKS	356	55341
PERIPHERAL EDP EQUIPMENT OPERATORS	364	56014
PERSONAL SERVICE OCCUPATIONS	451	68000
PERSONAL HOME CARE AIDES	463	68035
PERSONNEL CLERKS--EX PAYROLL AND TIMEKEEPING	347	55314
PERSONNEL, TRAINING, LABOR RELATIONS MANAGERS	4	13005
PERSONNEL, TRAINING, LABOR RELATIONS SPECIALISTS, NEC	41	21511
PERSONNEL, TRAINING, LABOR RELATIONS SPECIALISTS	37	21500
PEST CONTROLLERS AND ASSISTANTS	448	67008
PETRO REFINERY, CONTROL PANEL OPERATORS	826	95014
PETROLEUM ENGINEERS	56	22111
PETROLEUM PUMP SYSTEM OPERATORS	825	95011
PETROLEUM TECHNICIANS & TECHNOLOGISTS	99	24511
PHARMACISTS	226	32517
PHARMACY AIDES	443	66026
PHARMACY TECHNICIANS	227	32518
PHILOSOPHY & RELIGION TEACHERS, POSTSECONDARY	179	31254
PHOTOENGRAVERS	664	89712
PHOTOENGRAVING, LITHOGRAPHIC MACHINE OPERATORS	749	92545
PHOTOGRAPHERS	253	34023
PHOTOGRAPHIC PROCESS WORKER, PRECISION	682	89914
PHOTOGRAPHIC PROCESSING MACHINE OPERATORS, TENDERS	766	92908
PHYSICAL SCIENCE TEACHERS, POSTSECONDARY	154	31209
PHYSICAL SCIENTISTS	83	24100
PHYSICAL SCIENTISTS, NEC	88	24199
PHYSICAL THERAPISTS	215	32308
PHYSICAL THERAPY ASSISTANTS & AIDES	440	66017
PHYSICAL, LIFE SCIENCE TECHS	95	24500
PHYSICAL, LIFE SCIENCE TECHS, NEC	100	24599
PHYSICIAN ASSISTANTS	224	32511
PHYSICIANS AND SURGEONS	205	32102
PHYSICISTS AND ASTRONOMERS	84	24102
PHYSICS TEACHERS, POSTSECONDARY	153	31206
PILE DRIVING OPERATORS	599	87705
PILOTS--SHIP	854	97508
PIPELAYERS	591	87508
PIPELAYING FITTERS	590	87505



# Alphabetical Index of Occupations

OCCUPATION	LINE NUMBER	CALIFORNIA OES CODE
PLANT AND SYSTEM OCCUPATIONS	821	95000
PLANT AND SYSTEM OPERATORS, NEC	833	95099
PLASTERERS AND STUCCO MASONS	585	87317
PLASTIC MOLDING, CASTING MACHINE OPERATORS	716	91905
PLASTIC MOLDING, CASTING MACHINE SETTER	715	91902
PLATEMAKERS	668	89718
PLUMBERS AND RELATED WORKERS	588	87500
PLUMBERS; PIPEFITTERS, STEAMFITTERS	589	87502
PODIATRISTS	208	32111
POLICE AND DETECTIVE SUPERVISORS	397	61005
POLICE DETECTIVES	404	63011
POLICE PATROL OFFICERS	405	63014
POLITICAL SCIENCE TEACHERS, POSTSECONDARY	171	31236
PORTABLE MACHINE CUTTERS	810	93928
POSTAL MAIL CARRIERS	377	57305
POSTAL SERVICE CLERKS	378	57308
POSTMASTERS, MAIL SUPERINTENDENTS	9	15002
POSTSECONDARY TEACHERS	146	31100
POSTSECONDARY TEACHERS, NEC	183	31299
POWER DISTRIBUTORS AND DISPATCHERS	831	95028
POWER PLANT OPS--EX AUXILIARY EQUIPMENT	828	95021
POWER REACTOR OPERATORS	830	95026
POWERHOUSE, RELAY ELECTRICIANS	544	85721
PRESS MACHINE SETTERS--METAL, PLASTIC	698	91305
PRESSERS--DELICATE FABRICS	655	89517
PRESSERS--HAND	807	93921
PRESSING MACHINE OPERATORS, TENDERS--TEXTILE, GARMENT RELATED	762	92728
PRINTING PRESS MACHINE OPERATORS, TENDER	748	92543
PRINTING PRESS SETTERS, SET-UP OPERATORS	739	92510
PRINTING PRESS SETTERS, SET-UP OPERATORS NEC	742	92519
PRINTING RELATED SETTERS, SET-UP OPERATORS, NEC	746	92529
PRINTING WORKERS, NEC--PRECISION	671	89799
PRINTING WORKERS, PRECISION	658	89700
PRINTING, BINDING, RELATED MACHINE OPERATORS, TENDERS	751	92549
PRINTING, BINDING, RELATED WORKERS	738	92500
PROCUREMENT CLERKS	351	55326
PRODUCERS, DIRECTORS, ACTORS	264	34056
PRODUCTION OCCUPATIONS, PRECISION	627	89000
PRODUCTION, CONSTRUCTION, OPERATING, MAINTENANCE, MATERIAL HANDLING	492	80000
PRODUCTION, PLANNING, EXPEDITING CLERKS	383	58008
PROFESSIONAL, PARAPROFESSIONAL, TECHNICAL	23	20000
PROOFREADERS AND COPY MARKERS	336	53911
PROPERTY, REAL ESTATE MANAGERS	12	15011
PROTECTIVE SERVICE OCCUPATIONS	400	63000
PROTECTIVE SERVICE WORKERS, NEC	417	63099
PRUNERS	485	79033
PSYCHIATRIC AIDES	439	66014
PSYCHIATRIC TECHNICIANS	242	32931
PSYCHOLOGISTS	122	27108
PSYCHOLOGY TEACHERS, POSTSECONDARY	172	31237



# Alphabetical Index of Occupations

OCCUPATION	LINE NUMBER	CALIFORNIA OES CODE
PUBLIC ADMINISTRATION CHIEF EXECS, LEGISLATORS, GENERAL ADMIN	20	19002
PUBLIC RELATIONS SPECIALISTS, PUBLICITY WRITERS	248	34008
PUMP OPERATORS	884	97953
PUNCHING MACHINE SETTERS--METAL, PLASTIC	697	91302
PURCHASING AGENTS AND BUYERS	33	21300
PURCHASING AGENTS AND BUYERS--FARM PRODS	35	21305
PURCHASING AGENTS--EX WHOLESALE, RETAIL, FARM PRODUCTS	36	21308
PURCHASING MANAGERS	5	13008
RADIATION THERAPISTS	235	32913
RADIO MECHANICS	535	85514
RADIO OPERATORS	269	39008
RADIOLOGIC TECHNOLOGISTS	237	32919
RAIL CAR REPAIRERS	524	85317
RAIL TRANSPORTATION WORKERS	843	97300
RAIL VEHICLE OPERATIVES, NEC	850	97399
RAIL YARD ENGINEERS AND RELATED	846	97308
RAILROAD BRAKE, SIGNAL, SWITCH OPERATORS	849	97317
RAILROAD CONDUCTORS, YARDMASTERS	844	97302
RAILROAD, TRANSIT POLICE, SPECIAL AGENTS	413	63038
RAIL-TRACK LAYING, MAINTENANCE EQUIPMENT OPERATORS	602	87714
REAL ESTATE CLERKS	337	53914
RECEPTIONISTS, INFORMATION CLERKS	345	55305
RECREATION WORKERS	129	27311
RECREATIONAL THERAPISTS	218	32317
REFRACTORY MATERIALS REPAIRERS	515	85126
REFUSE & RECYCLABLE MATERIAL COLLECTORS	905	98705
REGISTERED NURSES	221	32502
REINFORCING METAL WORKERS	584	87314
RELIGIOUS WORKERS	130	27500
RELIGIOUS WORKERS, NEC	133	27599
REPORTERS AND CORRESPONDENTS	249	34011
RESERVATION, TRANSPORTATION TICKET AGENTS	330	53805
RESIDENTIAL COUNSELORS	127	27307
RESPIRATORY THERAPISTS	213	32302
RIGGERS	561	85935
ROASTING, BAKING, DRYING MACHINE OPERATORS--FOOD, TABACCO	770	92921
ROCK SPLITTERS, QUARRY	615	87908
ROLLING MACHINE SETTERS--METAL, PLASTIC	701	91314
ROOF BOLTERS	620	87923
ROOFERS	607	87808
ROTARY DRILL OPERATORS--OIL, GAS EXTRACTION	616	87911
ROUSTABOUTS	619	87921
SAFETY ENGINEERS--EXCEPT MINING	64	22132
SALES AGENTS, PLACERS--INSURANCE	277	43002
SALES AGENTS--ADVERTISING	284	43023
SALES AGENTS--FINANCIAL SERVICES	281	43014
SALES AGENTS--REAL ESTATE	279	43008
SALES AGENTS--SELECTED BUSINESS SERVICES	282	43017
SALES AND RELATED OCCUPATIONS	273	40000
SALES AND RELATED WORKERS, NEC	298	49999



# Alphabetical Index of Occupations

OCCUPATION	LINE NUMBER	CALIFORNIA OES CODE
SALES ENGINEERS	287	49002
SALES REPRESENTATIVES, NON-SCIENTIFIC--EX RETAIL	289	49008
SALES REPRESENTATIVES, SALESPERSONS, SERVICES--NEC	285	43099
SALES REPRESENTATIVES, SCIENTIFIC--EX RETAIL	288	49005
SALES WORKERS--SERVICE	276	43000
SALESPERSONS, RETAIL	290	49011
SALESPERSONS--PARTS	291	49014
SAWING MACHINE OPERATORS AND TENDERS	735	92308
SAWING MACHINE SETTERS, SET-UP OPERATORS	733	92302
SAWING MACHINE TOOL SETTERS--METAL, PLAST	690	91102
SCANNER OPERATORS	666	89715
SCREEN PRINTING MACHINE SETTERS, SET-UP	744	92524
SECRETARIAL, GENERAL OFFICE	338	55000
SECRETARIES	339	55100
SECRETARIES, EX LEGAL AND MEDICAL	342	55108
SECRETARIES, LEGAL	340	55102
SECRETARIES, MEDICAL	341	55105
SELECTED ROAD, RAIL AND RELATED	597	87700
SEPARATING, STILL MACHINE OPERATORS, TENDERS	784	92962
SEPTIC TANK, SEWER PIPE CLEANERS	592	87511
SERVICE OCCUPATIONS	394	60000
SERVICE STATION ATTENDANTS	863	97805
SERVICE UNIT OPERATORS	618	87917
SERVICE WORKERS, NEC	467	69999
SEWERS--HAND	808	93923
SEWING MACHINE OPERATORS--GARMENT	758	92717
SEWING MACHINE OPERATORS--NON-GARMENT	759	92721
SHAMPOOERS	455	68011
SHEAR MACHINE SETTERS--METAL, PLASTIC	699	91308
SHEET METAL DUCT INSTALLERS	606	87805
SHEET METAL WORKERS	639	89132
SHERIFFS AND DEPUTY SHERIFFS	411	63032
SHIP ENGINEERS	858	97521
SHIPFITTERS	635	89121
SHIPPING, RECEIVING, TRAFFIC CLERKS	390	58028
SHOE AND LEATHER WORKERS--PRECISION	653	89511
SHOE SEWING MACHINE OPERATORS, TENDERS	760	92723
SHUTTLE CAR OPERATORS	878	97935
SIGNAL OR TRACK SWITCH MAINTAINERS	534	85511
SLAUGHTERERS AND BUTCHERS	673	89802
SMALL ENGINE SPECIALISTS	528	85328
SOCIAL SCIENCE TEACHERS, POSTSECONDARY	165	31230
SOCIAL SCIENCES TEACHERS, POSTSECONDARY	173	31239
SOCIAL SCIENTISTS, NEC	123	27199
SOCIAL SCIENTISTS, RECREATION, RELIGIOUS	118	27000
SOCIAL SCIENTISTS--INCLUDING URBAN, REGIONAL PLANNERS	119	27100
SOCIAL WORK TEACHERS, POSTSECONDARY	177	31247
SOCIAL WORKERS--EX MEDICAL, PSYCHIATRIC	126	27305
SOCIAL WORKERS--MEDICAL, PSYCHIATRIC	125	27302
SOLDERERS AND BRAZERS	806	93917



## Alphabetical Index of Occupations

OCCUPATION	LINE NUMBER	CALIFORNIA OES CODE
SOLDERING, BRAZING MACHINE OPERATORS, TENDERS	712	91711
SOLDERING, BRAZING MACHINE SETTERS	711	91708
SPECIAL AGENTS--INSURANCE	39	21505
SPECIALTY MATERIALS PRINTING MACHINE SETTERS	743	92522
SPEECH PATHOLOGISTS, AUDIOLOGISTS	217	32314
SPOTTERS--DRY CLEANING	654	89514
SPRAYERS, APPLICATORS	486	79036
STATEMENT CLERKS	312	53126
STATION INSTALLERS--TELEPHONE	546	85726
STATIONARY ENGINEERS	832	95032
STATISTICAL CLERKS	352	55328
STATISTICIANS	113	25312
STENOGRAPHERS AND/OR COURT REPORTERS	344	55302
STEVEDORES--EX EQUIPMENT OPERATORS	904	98702
STOCK CLERKS--SALES FLOOR	293	49021
STOCK CLERKS--STOCKROOM, WAREHOUSE	388	58023
STONEMASONS	581	87305
STRIPPERS	667	89717
STRUCTURAL METAL WORKERS	609	87814
SUBWAY AND STREETCAR OPERATORS	848	97314
SURGICAL TECHNICIANS	241	32928
SURVEYING, MAPPING TECHS	80	22521
SURVEYORS, MAPPING SCIENTISTS	72	22311
SWITCHBOARD OPERATORS	370	57102
SYSTEMS ANALYSTS--ELECTRONIC DATA PROCESSING	103	25102
TANK CAR AND TRUCK LOADERS	868	97905
TAPERS	574	87111
TAX EXAMINERS, COLLECTORS, REVENUE AGENTS	47	21914
TAX PREPARERS	29	21111
TAXI DRIVERS AND CHAUFFEURS	840	97114
TEACHER AIDES, EDUCATIONAL ASSISTANTS, CLERICAL	334	53905
TEACHER AIDES, PARAPROFESSIONAL	202	31521
TEACHERS AND INSTRUCTORS, NEC	194	31399
TEACHERS, EDUCATORS, LIBRARIANS	145	31000
TEACHERS--ELEMENTARY SCHOOL	187	31305
TEACHERS--KINDERGARTEN	186	31304
TEACHERS--PRESCHOOL	185	31303
TEACHERS--SECONDARY SCHOOL	188	31308
TEACHERS--SPECIAL EDUCATION	189	31311
TEACHERS--VOCATIONAL EDUCATION AND TRAINING	190	31314
TECHNICAL ASSISTANTS--LIBRARY	197	31505
TECHNICAL WRITERS & EDITORS	247	34005
TELEGRAPH AND TELETYPE OPERATORS	373	57111
TELEGRAPH, TELETYPE INSTALLERS	533	85508
TELEMARKETERS, SOLICITORS & RELATED	295	49026
TELEPHONE, CABLE TELEVISION LINE INSTALLERS	538	85702
TELLERS	304	53102
TEXTILE BLEACHING, DYEING MACHINE OPERATORS	757	92714
TEXTILE DRAW-OUT MACHINE OPERATORS, TENDERS	756	92711
TEXTILE MACHINE SETTERS, SET-UP OPERATORS	753	92702



## Alphabetical Index of Occupations

OCCUPATION	LINE NUMBER	CALIFORNIA OES CODE
TEXTILE OPERATORS, TENDERS--WINDING, TWISTING, KNITTING, WEAVING, CUTTING	754	92705
TEXTILE, APPAREL, FURNISHINGS, NEC--PREC	657	89599
TEXTILE, APPAREL, FURNISHINGS, PREC	649	89500
TEXTILE, RELATED SETTERS, OPERATORS	752	92700
THERAPISTS	212	32300
THERAPISTS, NEC	219	32399
TIMBER CUTTING AND LOGGING	471	73000
TIMBER CUTTING AND RELATED, NEC	476	73099
TIRE BUILDING MACHINE OPERATORS	767	92911
TIRE REPAIRERS AND CHANGERS	566	85953
TITLE EXAMINERS AND ABSTRACTORS	143	28311
TITLE SEARCHERS	142	28308
TOOL AND DIE MAKERS	629	89102
TOOL GRINDERS, FILERS, SHARPENERS	632	89111
TRAFFIC TECHNICIANS	268	39005
TRANSIT CLERKS	306	53108
TRANSPORTATION AGENTS	384	58011
TRANSPORTATION AND RELATED WORKERS, NEC	865	97899
TRANSPORTATION ATTENDANTS--EX FLIGHT ATTENDANTS	461	68028
TRANSPORTATION INSPECTORS	503	83008
TRANSPORTATION, MATERIAL MOVING EQUIPMENT OPERATORS, NEC	887	97999
TRANSPORTATION, MATERIAL MOVING MACHINE OPERATORS	834	97000
TRAVEL AGENTS	283	43021
TRAVEL CLERKS	329	53802
TRUCK DRIVERS, HEAVY	836	97102
TRUCK DRIVERS, LIGHT	837	97105
TYPESETTING, COMPOSING MACHINE OPERATORS	747	92541
TYPISTS, INCLUDING WORD PROCESSING	346	55307
UNDERGROUND MINE MACHINERY MECHANICS	511	85117
UNITED STATES MARSHALS	409	63026
UPHOLSTERERS	652	89508
URBAN AND REGIONAL PLANNERS	121	27105
USHERS, LOBBY ATTENDANTS	458	68021
VEHICLE WASHERS, EQUIPMENT CLEANERS	909	98905
VETERINARIANS AND VETERINARY INSPECTORS	210	32114
VETERINARY ASSISTANTS	488	79806
VETERINARY TECHNICIANS & TECHNOLOGISTS	243	32951
VOCATIONAL & EDUCATIONAL COUNSELOR	200	31514
WAITERS AND WAITRESSES	421	65008
WARDROBE, LOCKER, DRESSING ROOM ATTENDANTS	462	68032
WATCH ASSEMBLERS, RELATED--PRECISION	798	93117
WATCHMAKERS	555	85917
WATER TRANSPORTATION WORKERS	851	97500
WATER TREATMENT PLANT OPERATORS	822	95002
WEIGHERS, MEASURERS--RECORDKEEPING	386	58017
WELDERS AND CUTTERS	805	93914
WELDING MACHINE OPERATORS AND TENDERS	710	91705
WELDING MACHINE SETTERS, SET-UP OPERATORS	709	91702
WELFARE ELIGIBLE WORKERS, INTERVIEWERS	321	53502
WELLHEAD PUMPER	870	97911



## Alphabetical Index of Occupations

OCCUPATION	LINE NUMBER	CALIFORNIA OES CODE
WHOLESALE, RETAIL BUYERS--EX FARM PRODUCTS	34	21302
WOOD MACHINISTS	645	89308
WOODWORKERS, NEC--PRECISION	648	89399
WOODWORKERS, PRECISION	642	89300
WOODWORKING MACHINE OPERATORS, TENDERS--EX SAWING	737	92314
WOODWORKING MACHINE SETTERS, OPERATORS	732	92300
WOODWORKING MACHINE SETTERS--EX SAWING	736	92311
WORKERS, PRECISION--NEC	687	89999
WRITERS AND EDITORS	246	34002
WRITERS, ARTISTS, ENTERTAINERS, ATHLETES	245	34000



# Standard Industrial Classification Manual

The Standard Industrial Classification (SIC) is a nationally standardized system for identifying and coding business establishments according to their industrial activity. An "establishment" is an economic unit, generally located at a single physical location, where business is conducted or where services or industrial operations are performed. *The Standard Industrial Classification Manual* is the reference guide used to accurately apply and/or understand the classification coding system.

*The SIC Manual's* format separates industries into ten broad divisions, such as manufacturing and retail trade. Within those broad groupings are more specific two-digit codes, as well as more detailed three-digit and four-digit codes, that identify specific industries. Brief narratives describe the kinds of establishments contained in each classification category.

## Suggestions for Users

The SIC Manual facilitates the collection, analysis and publication of information about business establishments. This standardized system is used throughout the United States to promote uniformity in the publications of private and governmental agencies. The Employment Development Department's field office personnel use the manual to assign SIC codes to employers to aid in providing services. Trade associations and private industry use the manual in reference books, such as the *California Manufacturers Register*.

The manual can help one to understand the composite industries summarized in publications. However, all public sector workers are usually grouped together into a category

called "government", which includes federal, state and local government, and state and local education.

The U.S. Department of Labor, Occupational Safety and Health Administration provides SIC information on the Internet at

<http://www.osha.gov/oshstats/sicser.html>

*The SIC Manual* may be purchased from U.S. Government Bookstores, Bureau of Labor Statistics, or the Superintendent of Documents in Los Angeles or San Francisco. For information about purchasing this manual, contact:

U.S. Government Bookstore  
Marathon Plaza, Room 141-S  
303 2nd Street  
San Francisco, CA 94107  
Phone – (415) 512-2770  
Fax – (415) 512-2776  
<http://access.gpo.gov>



# North American Industry Classification System

The United States has a new industry classification system. The North American Industry Classification System (NAICS) will soon replace the U.S. Standard Industrial Classification (SIC) system.

NAICS is the first-ever North American Industry classification system. The system was developed by the U.S., Canada, and Mexico to provide comparable statistics across the three countries. For the first time, government and business analysts will be able to compare directly industrial production statistics collected and published in the three North American Free Trade Agreement countries.

NAICS will reshape the way we view our changing economy. It is a unique new system for classifying business establishments. It is the first economic classification system to be constructed based on a single economic concept. Economic units that use like processes to produce goods or services are grouped together. This "production-oriented" system means that statistical agencies in the United States will produce data that can be used for:

- measuring productivity, unit labor costs, and the capital intensity of production;
- constructing input-output relationships and;
- estimating employment-output relationships and other such statistics that require that inputs and outputs be used together.

NAICS responds to increasing and serious criticism about the SIC. NAICS reflects the structure of today's economy in the United States, Canada and Mexico, including the emergence and growth of the service sector

and new and advanced technologies. It is a flexible system that allows each country to recognize important industries below the level at which comparable data will be shown for all three countries.

The 1997 Economic Census will provide the first official NAICS-based statistics. Advance statistics will appear in early 1999. A report in 2000 will show relationships between NAICS and SIC industries.

Implementation by Federal agencies will be in phases. Some agency programs will convert to NAICS as early as 1999, others as late as 2004.

## How is NAICS better?

NAICS will make economic statistics more useful. It will improve basic benchmark and current performance statistics, like manufacturers' shipments, retail sales, and service receipts. It will improve statistics by providing an all new industry classification system that is more:

*Relevant.* NAICS identifies new industries, revises concepts, and reorganizes classifications so that industry-classified statistics highlight businesses that contribute most to our economy.

*Consistent.* NAICS classifies businesses into industries based on one principle instead of several; the principle that businesses using similar production processes are classified together.

*Comparable.* NAICS provides first-ever comparability in North American industry classifications and economic statistics.

*Flexible.* NAICS classifications will be updated

regularly to keep pace with changes in our economy; every 5 years, all three North American countries will review NAICS and make needed revisions.

### **How will NAICS affect the economic data you use?**

- Every sector of the economy has been restructured and redefined:
- A new *Information* sector combines communications, publishing, motion picture and sound recording, and online services, to recognize our information-based economy.
- *Manufacturing* is restructured to recognize new high-tech industries. A new subsector is devoted to computers and electronics, including reproduction of software.
- *Retail Trade* is redefined. In addition, eating and drinking places are transferred to a new *Accommodation and Food Services* sector.
- The difference between *Retail* and *Wholesale* is now based on how each store conducts business. For example, many computer stores are reclassified from wholesale to retail.
- Nine new service sectors and 250 new service industries are recognized.

### **All new numbering system**

Numeric codes for each NAICS classification are completely different from those of the SIC. The new numbering system underscores the "clean slate" approach taken in NAICS and allows its classification changes to be fully developed. The new system provides five levels of classification (up from four in the SIC), detailed codes that have a maximum of six-digits (up from four in the SIC) and detailed classifications called "U.S. Industry" (instead of "Industry" in the SIC). These changes require new numbers, even for industries that continue without change. For example, both

NAICS and SIC include the detailed industry, "Passenger car rental." However, in NAICS, it has code number 532111, and in the SIC, it was code number 7514. While all NAICS numeric codes are new, like the SIC, they are organized into multi-level hierarchical classification groups that build up from the detailed industry level. The additional level of classification and expanded number of digits permit NAICS to account for the increased number of classifications, provide flexibility in structuring industry classification groups, and allow for country-based variations in classification detail.

A variety of information resources are available to help users of business statistics understand and use NAICS. Additional information, answers to frequently asked questions, and updated agency implementation plans are available at the Census Bureau's Internet site:

**<http://www.census.gov/naics>**

Answers to specific classification and data program inquiries may also be addressed to industry experts at:

**Phone: 1-888-75NAICS**

**E-mail: [naics@census.gov](mailto:naics@census.gov)**



# Projections Methods and Economic Assumptions

The employment projection process consists of two phases: first, projections for employment by industry are made using both historical data and current information about the economy; and second, the industry projections become a primary data source used to project changes in occupational employment.

Changes in occupational employment over time result from two principal sources: industry growth and technological change. In developing occupational employment projections, both of these components must be addressed.

The following is a discussion of how industry and occupational projections are developed, beginning with a description of data sources and followed by a description of the steps involved.

## Principal Data Sources

### Employment by Industry

The source of the official historical industry employment series used for industry projections for the state and each county is the Current Employment Statistics (CES) program. This is a Federal/State cooperative program that compiles monthly estimates of industry employment groupings for the state and each county. These monthly industry employment estimates are based primarily on employer sample surveys.

A second source used in industry forecasts is the Covered Employment and Wage Data, or ES-202 program. Essentially, this program extracts employment and wage information from quarterly tax returns filed by each California employer covered by unemployment insurance. Each employer has been assigned a specific industry and county code

and these data are compiled to provide the 'actual' industry employment levels for each industry and county. These data are then used for benchmarking the monthly industry employment estimates made in the CES program. This is also a Federal/State cooperative program.

### Employment by Occupation

Occupational employment estimates are based on survey data collected through the Occupational Employment Statistics (OES) program. The OES survey is an annual mail survey of nonfarm employers conducted by the Employment Development Department in cooperation with the U.S. Bureau of Labor Statistics. The survey is based on a sample designed to represent the universe of employers in each state. In California, data are collected for over 800 occupations at the three-digit SIC level of detail. The survey samples approximately 110,000 business establishments over a three year period.

## The Process

### Industry Projections

Industry projections are first developed at aggregated levels (industry groupings) for the state and each county based on the Current Employment Statistics employment series. Second, these aggregated industry projections are then broken down into more industry specific detail using the ES-202 data. The industry specific projections then become the primary source from which occupational projections are developed by using industry staffing patterns data. The following steps outline the process:

- Approximately every two years, industry employment projections are produced for the nation by the Bureau of Labor Statistics.



- Industry projections are then developed for the state using input from the national forecast and the historical industry employment series for the state.
- Next, county industry projections are developed using input from the state forecast and the historical employment series for each county.
- State projections are developed for ten years from the base period and county projections are developed for seven years from the base period.
- The state forecasts are reviewed by Labor Market Information Division (LMID) industry analysts, California's Department of Finance and academics.
- County forecasts are reviewed by local area consultants who provide up to date information regarding recent developments in each county that would not normally be accounted for in the model.

### **Occupational Projections**

The distribution of industry employment by occupation is performed in three steps.

- OES survey responses are summarized by industry and matched with the appropriate SIC in the area. (In cases where local OES responses are not available, either statewide responses or another area's responses are substituted.)
- The survey data are adjusted to total to the annual average employment level for each industry. This results in estimates of employment by occupation within the three-digit SICs for the base year.
- Finally, base year staffing patterns are adjusted to account for projected shifts in the occupational distributions due to technological changes. These projected

changes are derived from special studies conducted by the U.S. Bureau of Labor Statistics. Applying these changes to the base year staffing patterns results in staffing patterns by three-digit SIC for the projected year. Projected year staffing patterns are applied to the industry employment projections to produce occupational employment projections within three-digit SICs.

Data by occupation are then summed to get the occupational estimates. The difference between the base year occupation estimates and the projected year projections represents the job growth resulting from industry growth and from technological change. (Change factors do not try to predict regulatory changes.)

Demand for workers is also created by openings that result when workers leave their jobs to enter other occupations, retire or leave the labor force for other reasons. These openings, termed *separations*, are important because, in most occupations, they exceed job openings resulting from employment growth. Even occupations that are projected to decline usually provide job openings due to separations. Separations are developed from separation rates compiled on a national basis every two years by the Bureau Of Labor Statistics.

### **Economic Assumptions**

The industry and occupational projections in this report are based on the following assumptions:

- The institutional framework of the U.S. economy will not change radically.
- Recent technological and scientific trends will continue.
- The long-term employment patterns will continue in most industries.

- Federal, state, and local government agencies will continue to operate under budgetary constraints.
- No major events, such as war, will occur that will significantly alter the industrial structure of the economy, the occupational staffing patterns, or the rate of long-term growth.
- Population growth rates and age distributions will not differ significantly from Department of Finance projections presently available.
- Attitudes toward work, education, income, and leisure will not change significantly.

# *Projections & Planning Information*

## **Module E:**

# **Wages**





# Table of Contents

<b>Module E: Occupational Wages.....</b>	<b>PAGE</b>
Introduction.....	E-v
Occupational Employment Statistics Wage Survey Results .....	E-1





# Occupational Employment Statistics Wage Survey

The Occupational Employment Statistics (OES) survey is an annual mail survey measuring occupational employment and occupational wage rates for wage and salary workers in nonfarm establishments by industry. The survey samples approximately 37,000 establishments per year, taking 3 years to fully collect the sample of 113,000 establishments in California.

The 2000 OES survey is the second year to use the new Standard Occupational Classification (SOC) system to identify occupational categories. These survey samples are based only on two years of data collected in the 1999 and 2000 survey. Surveys prior to 1999 used the Occupational Employment Statistics (OES) classification system. Of the nearly 770 SOC occupations, 374 are a direct match with the OES classification system definitions. The rest are newly defined SOC occupations. The SOC structure and definitions can be found at the Bureau of Labor Statistics (BLS) SOC website at [www.bls.gov](http://www.bls.gov).

The wage data for all occupations have been updated to the third quarter of 2001 by applying the Employment Cost Index of the 2000 SOC wage database. The occupational employment estimates are for 2000. A more complete set of technical notes for the 2000 OES survey is available at the BLS website.

## 'Employment' Definition

The OES survey defines employment as the number of workers who can be classified as full-time or part-time employees; workers on paid vacations or other types of leave; workers on unpaid or short-term absences; salaried officers, executives, and staff members of incorporated firms; employees temporarily assigned to other units; and employees for whom the reporting unit is their permanent duty station, regardless of whether that unit prepares their paycheck. The survey excludes the self-employed, owners/partners of unincorporated firms, and unpaid family workers. Employees are reported in the occupation in which they are working, not necessarily for which they were trained.

## Business Establishment Description

The OES survey uses the Standard Industrial Classification (SIC) system to classify all an economic unit which processes goods or provides services, such as a factory or store. The establishment is generally at a single physical location and is engaged primarily in one type of economic activity.

The scope of the survey includes establishments in SIC codes 07, 10, 12 to 17, 20 to 42, 44 to 65, 67, 70, 72, 73, 75, 76, 78 to 84, 86, 87, and 89 covering agricultural services; mining; construction; manufacturing; transportation and public utilities; wholesale and retail trade; finance, insurance, and real estate; services; and government.

## Source of Sample Selection

The California Unemployment Insurance (UI) file provided the universe from which the OES survey draws its sample. The employment benchmark was obtained from reports submitted by employers to the UI program. In some nonmanufacturing industries, supplemental sources are used for establishments not reporting to the UI program.

The OES survey frame is stratified by area, industry and size class. Size classes are defined as follows:

<u>Size Class</u>	<u>Number of Employees</u>
1	1 to 4
2	5 to 9
3	10 to 19
4	20 to 49
5	50 to 99
6	100 to 249
7	250 and above

UI reporting units with 250 or more employees are sampled with certainty across a 3-year period. Generally, one-third of the certainty units are sampled each year in each state. There are some states that sample more than one-third of their certainty units during one survey year.

## Terms and Concepts

**Employment** represents the estimate of total wage and salary employment in an occupation across the industries in which it was surveyed. The OES survey form contains between 50 and 225 SOC occupations selected on the basis of the industry classification and size of the sampled establishments. To reduce paperwork and respondent burden, no survey form contains every SOC occupation. Thus, data for specific occupations are collected from establishments within industries that are the predominant employers of labor in those occupations.

**Wages** for the OES survey are straight-time gross pay, exclusive of premium pay. Included are base rate, cost-of-living allowances, guaranteed pay, hazardous duty pay, incentive pay including commissions and production bonuses, tips, and on-call pay. Excluded are back pay, jury duty pay, overtime pay, severance pay, shift differentials, non-production bonuses, employer cost of supplementary benefits, and tuition reimbursements.

The OES survey collects wage data in 12 intervals. Employers report the number of employees in an occupation per each wage range. The wage intervals are as follows:

<u>Interval</u>	<u>Hourly Wage</u>	<u>Annual Wage</u>
A	Under \$6.75	Under \$14,040
B	\$6.75 to 8.49	\$14,040 to 17,679
C	\$8.50 to 10.74	\$17,680 to 22,359
D	\$10.75 to 13.49	\$22,360 to 28,079
E	\$13.50 to 16.99	\$28,080 to 35,359
F	\$17.00 to 21.49	\$35,360 to 44,719
G	\$21.50 to 27.24	\$44,720 to 56,679
H	\$27.25 to 34.49	\$56,680 to 71,759
I	\$34.50 to 43.74	\$71,760 to 90,999
J	\$43.75 to 55.49	\$91,000 to 115,439
K	\$55.50 to 69.99	\$115,440 to 145,599
L	\$70.00 and over	\$145,600 and over

Wages are calculated using wage data from establishments in the industries that are the predominant employers of an occupation. Industries that do not typically employ workers in a given occupation are not included in the calculation of the mean and median wage.

**Mean Hourly Wage** is the estimated total wages for an occupation divided by its weighted survey employment. When the wages for an occupation are concentrated in the upper wage interval, it is not possible to calculate a reliable mean. In those instances, both the mean hourly wage and the mean annual wage are replaced by a "(3)" and the user is referred to the appropriate footnote. There are a small number of occupations where only an annual wage figure is provided; the workers in these occupations are generally paid on an annual basis, and their annual wage has been directly calculated from the reported survey data. Occupations that typically have a work-year of less than 2,080 hours include musical and entertainment occupations, aircraft pilots, flight attendants, and teachers. These occupations are identified in the data tables with "(2)" in the hourly wage cells.

**Median Hourly Wage** is the estimated 50th percentile of the distribution of wages; 50 percent of workers in an occupation earn wages below the median wage, and 50 percent earn wages above the median wage.

**Entry-Level Hourly Wage** is the mean of the first third of the wage distribution. This calculation is provided as a proxy for an entry-level wage.

**First Quartile Wage** is the estimated 25th percentile of the distribution of wages; 25 percent of workers in an occupation earn wages below the first quartile wage, and 75 percent earn wages above the first quartile wage.

**Third Quartile Wage** is the estimated 75th percentile of the distribution of wages; 75 percent of workers in an occupation earn wages below the third quartile wage, and 25 percent earn wages above the third quartile wage.

**Metropolitan Area** The general concept of a metropolitan area (MA) is one of a large population nucleus, together with adjacent communities that have a high degree of economic and social integration with that nucleus. Some MAs are defined around two or more nuclei. The MAs are designated and defined by the Federal Office of Management and Budget, following a set of official published standards. These standards were developed by

the Interagency Federal Executive Committee on Metropolitan Areas, with the aim of producing definitions that are as consistent as possible for all MAs nationwide.

***Metropolitan Statistical Area (MSA)*** A MSA comprises one or more central counties. A MSA also may include one or more outlying counties that have close economic and social relationships with the central county. An outlying county must have a specified level of commuting to the central counties and also must meet certain standards regarding metropolitan character, such as population density, urban population, and population growth. The title of a MSA contains the name of its largest city and up to two additional city names, provided that the additional places meet specified levels of population, employment and commuting. Generally a city of 250,000 or more is in the title, regardless of other criteria.

***Primary Metropolitan Statistical Area (PMSA)*** The criteria that designates and defines a MSA also designates and defines a PMSA. If an area that qualifies as a MA has more than one million persons, primary metropolitan statistical areas (PMSAs) may be defined within it. PMSAs consist of a large urbanized county or cluster of counties that demonstrate very strong internal economic and social links, in addition to close ties to other portions of the larger area. The title of a PMSA may contain up to three place names, or up to three county names, sequenced in order of population.

***Consolidated Metropolitan Statistical Area (CMSA)*** A CMSA consists of two or more Primary Metropolitan Statistical Areas (PMSAs).



(C)

(C)

(C)

# Occupational Employment Statistics (OES) Survey Results

## San Francisco PMSA

### Marin, San Francisco, & San Mateo Counties

These survey data are from the 2001 Occupational Employment Statistics (OES) survey. The wages have all been updated to the third quarter of 2002 by applying the US Department of Labor's Employment Cost Index to the 2001 wages. Occupations are classified using the Standard Occupational Classification (SOC) codes. For details of the methodology, see the Overview of the OES Survey at [http://www.calmis.ca.gov/file/occup\\$/oes\\$.htm](http://www.calmis.ca.gov/file/occup$/oes$.htm)

(Sorted by Occupational Title)

SOC Code	Occupational Title	Entry-Level Hourly Wage (1)	Mean Hourly Wage	25th Percentile Hourly Wage	50th Percentile (Median) Hourly Wage	75th Percentile Hourly Wage
13-2011	Accountants and Auditors	\$18.75	\$30.19	\$21.09	\$27.75	\$37.58
27-2011	Actors	(2)	(2)	(2)	(2)	(2)
15-2011	Actuaries	\$20.66	\$35.06	\$23.19	\$31.81	\$45.19
23-1021	Administrative Law Judges, Adjudicators, and Hearing Officers	\$24.75	\$38.25	\$27.37	\$34.57	\$50.51
11-3011	Administrative Services Managers	\$18.98	\$31.99	\$21.72	\$27.92	\$41.18
25-3011	Adult Literacy, Remedial Education, and GED Teachers and Instructors	\$13.47	\$22.58	\$15.07	\$18.63	\$26.29
11-2011	Advertising and Promotions Managers	\$22.40	\$38.61	\$27.07	\$35.83	\$49.57
41-3011	Advertising Sales Agents	\$17.49	\$44.05	\$22.18	\$45.46	\$67.87
19-4011	Agricultural and Food Science Technicians	\$8.76	\$13.24	\$9.27	\$11.30	\$16.60
19-1010	Agricultural and Food Scientists	\$16.43	\$32.14	\$19.68	\$30.22	\$48.26
45-2011	Agricultural Inspectors	\$12.11	\$20.06	\$14.93	\$22.06	\$26.07
53-1011	Aircraft Cargo Handling Supervisors	\$16.10	\$21.87	\$18.54	\$21.59	\$25.84
53-2022	Airfield Operations Specialists	\$14.17	\$21.20	\$15.52	\$18.42	\$29.17
53-2099	All Other Air Transportation Workers	\$8.96	\$9.96	\$9.41	\$10.15	\$10.89

SOC Code	Occupational Title	Entry-Level Hourly Wage (1)	Mean Hourly Wage	25th Percentile Hourly Wage	50th Percentile (Median) Hourly Wage	75th Percentile Hourly Wage
17-1099	All Other Architects, Surveyors, and Cartographers	\$22.27	\$30.82	\$25.03	\$28.45	\$35.79
27-1099	All Other Art and Design Workers	\$17.19	\$32.18	\$20.99	\$30.73	\$40.91
37-9099	All Other Building and Grounds Cleaning and Maintenance Workers	\$9.16	\$12.76	\$9.83	\$11.69	\$14.74
47-4999	All Other Construction Trades and Related Workers	\$10.51	\$18.54	\$12.81	\$16.73	\$21.47
21-9099	All Other Counselors, Social and Religious Workers	\$10.88	\$17.67	\$12.34	\$15.18	\$22.78
17-3099	All Other Drafters, Engineering, and Mapping Technicians	\$16.76	\$25.10	\$20.01	\$25.63	\$30.46
49-2099	All Other Electrical and Electronic Equipment Mechanics, Installers, and Repairers	\$9.82	\$15.54	\$10.81	\$14.36	\$19.65
43-4999	All Other Financial, Information, and Record Clerks	\$12.86	\$19.37	\$14.37	\$17.87	\$21.71
29-9199	All Other Health Professionals and Technicians	\$8.38	\$16.90	\$9.65	\$15.61	\$21.49
23-9099	All Other Legal and Related Workers	\$18.14	\$34.63	\$20.83	\$28.70	\$43.82
43-5199	All Other Material Recording, Scheduling, Dispatching, and Distributing Workers	\$12.60	\$16.42	\$14.16	\$16.23	\$18.38
51-5099	All Other Printing Workers	\$9.71	\$18.75	\$12.20	\$19.31	\$25.27
43-9999	All Other Secretaries, Administrative Assistants, and Other Office Support	\$10.34	\$16.70	\$12.63	\$17.09	\$20.40
25-3999	All Other Teachers, Primary, Secondary, and Adult	(2)	(2)	(2)	(2)	(2)
53-3011	Ambulance Drivers and Attendants, Except Emergency Medical Technicians	\$9.45	\$13.47	\$9.81	\$11.26	\$13.17
39-3091	Amusement and Recreation Attendants	\$7.38	\$9.77	\$7.75	\$9.18	\$11.55
29-1061	Anesthesiologists	\$38.73	(3)	\$51.78	>\$70.00	>\$70.00
27-3010	Announcers	\$9.27	\$12.31	\$9.19	\$9.92	\$10.67
25-1061	Anthropology and Archeology Teachers, Postsecondary	(2)	(2)	(2)	(2)	(2)



SOC Code	Occupational Title	Entry-Level Hourly Wage (1)	Mean Hourly Wage	25th Percentile Hourly Wage	50th Percentile (Median) Hourly Wage	75th Percentile Hourly Wage
13-2021	Appraisers and Assessors of Real Estate	\$19.14	\$31.58	\$22.14	\$28.34	\$39.67
23-1022	Arbitrators, Mediators, and Conciliators	\$23.17	\$34.53	\$27.60	\$35.84	\$40.81
17-1011	Architects, Except Landscape and Naval	\$21.57	\$30.87	\$22.89	\$25.89	\$37.05
17-3011	Architectural and Civil Drafters	\$18.57	\$26.99	\$20.68	\$25.04	\$30.87
17-0000	Architecture and Engineering Occupations	\$21.05	\$31.84	\$23.55	\$29.31	\$39.11
25-1031	Architecture Teachers, Postsecondary	(2)	(2)	(2)	(2)	(2)
25-4010	Archivists, Curators, and Museum Technicians	\$13.33	\$22.05	\$15.44	\$20.06	\$26.35
25-1062	Area, Ethnic, and Cultural Studies Teachers, Postsecondary	(2)	(2)	(2)	(2)	(2)
27-1011	Art Directors	\$24.29	\$42.61	\$27.95	\$40.20	\$57.74
25-1121	Art, Drama, and Music Teachers, Postsecondary	(2)	(2)	(2)	(2)	(2)
27-0000	Arts, Design, Entertainment, Sports, and Media Occupations	\$12.55	\$26.69	\$15.92	\$23.41	\$33.76
51-2099	Assemblers and Fabricators, All Other	\$7.13	\$11.44	\$7.44	\$9.10	\$14.60
29-9091	Athletic Trainers	(2)	(2)	(2)	(2)	(2)
27-4011	Audio and Video Equipment Technicians	\$12.53	\$20.66	\$15.81	\$20.18	\$24.65
25-9011	Audio-Visual Collections Specialists	\$10.44	\$15.72	\$10.58	\$15.17	\$20.87
49-3021	Automotive Body and Related Repairers	\$11.02	\$18.28	\$14.00	\$18.24	\$24.32
49-3022	Automotive Glass Installers and Repairers	\$14.56	\$22.08	\$18.36	\$23.02	\$27.32
49-3023	Automotive Service Technicians and Mechanics	\$13.65	\$20.01	\$15.63	\$20.24	\$24.67
39-6011	Baggage Porters and Bellhops	\$7.71	\$10.39	\$7.99	\$9.21	\$10.75
51-3011	Bakers	\$7.94	\$12.15	\$8.67	\$10.82	\$15.48

SOC Code	Occupational Title	Entry-Level Hourly Wage (1)	Mean Hourly Wage	25th Percentile Hourly Wage	50th Percentile (Median) Hourly Wage	75th Percentile Hourly Wage
39-5011	Barbers	\$7.85	\$11.21	\$8.76	\$10.13	\$11.62
35-3011	Bartenders	\$7.53	\$11.24	\$7.84	\$9.57	\$14.89
49-3091	Bicycle Repairers	\$8.83	\$11.11	\$9.33	\$10.69	\$12.73
43-3011	Bill and Account Collectors	\$14.07	\$19.01	\$15.55	\$18.23	\$22.94
43-3021	Billing and Posting Clerks and Machine Operators	\$13.40	\$18.36	\$15.02	\$18.14	\$21.81
51-5011	Bindery Workers	\$8.21	\$13.14	\$8.94	\$11.79	\$16.35
19-1021	Biochemists and Biophysicists	\$24.45	\$36.91	\$28.90	\$38.89	\$44.46
25-1042	Biological Science Teachers, Postsecondary	(2)	(2)	(2)	(2)	(2)
19-4021	Biological Technicians	\$14.88	\$22.62	\$16.47	\$20.80	\$27.85
17-2031	Biomedical Engineers	\$24.21	\$39.22	\$27.02	\$36.51	\$45.36
51-5012	Bookbinders	\$17.21	\$22.90	\$18.96	\$24.29	\$26.86
43-3031	Bookkeeping, Accounting, and Auditing Clerks	\$13.30	\$18.92	\$15.10	\$18.50	\$22.64
47-2021	Brickmasons and Blockmasons	\$12.44	\$28.09	\$13.72	\$30.12	\$41.44
27-4012	Broadcast Technicians	\$9.90	\$23.55	\$11.60	\$23.01	\$35.50
43-4011	Brokerage Clerks	\$14.93	\$18.84	\$15.88	\$18.10	\$21.47
13-2031	Budget Analysts	\$20.44	\$30.61	\$22.80	\$29.07	\$37.10
37-0000	Building and Grounds Cleaning and Maintenance Occupations	\$8.49	\$12.45	\$9.38	\$11.93	\$14.70
49-3031	Bus and Truck Mechanics and Diesel Engine Specialists	\$16.58	\$22.37	\$18.57	\$22.48	\$26.31
53-3022	Bus Drivers, School	\$9.26	\$13.29	\$10.36	\$12.69	\$15.96
53-3021	Bus Drivers, Transit and Intercity	\$12.23	\$16.20	\$13.62	\$16.02	\$18.59

SOC Code	Occupational Title	Entry-Level Hourly Wage (1)	Mean Hourly Wage	25th Percentile Hourly Wage	50th Percentile (Median) Hourly Wage	75th Percentile Hourly Wage
13-0000	Business and Financial Operations Occupations	\$18.45	\$31.66	\$21.54	\$28.83	\$38.98
13-1199	Business Operations Specialists, All Other	\$17.12	\$29.17	\$20.51	\$27.08	\$36.03
25-1011	Business Teachers, Postsecondary	(2)	(2)	(2)	(2)	(2)
51-3021	Butchers and Meat Cutters	\$11.72	\$17.59	\$14.23	\$18.98	\$20.93
51-7011	Cabinetmakers and Bench Carpenters	\$10.20	\$17.02	\$11.69	\$15.62	\$22.72
49-9061	Camera and Photographic Equipment Repairers	\$12.65	\$21.58	\$14.14	\$20.43	\$28.90
27-4031	Camera Operators, Television, Video, and Motion Picture	\$13.57	\$22.41	\$18.48	\$23.38	\$27.37
53-5021	Captains, Mates, and Pilots of Water Vessels	\$19.89	\$29.38	\$22.34	\$31.39	\$34.97
29-2031	Cardiovascular Technologists and Technicians	\$16.74	\$22.86	\$18.56	\$21.92	\$27.25
43-5011	Cargo and Freight Agents	\$12.47	\$18.34	\$13.60	\$17.37	\$22.50
47-2031	Carpenters	\$18.66	\$26.63	\$21.85	\$27.60	\$32.35
47-2041	Carpet Installers	\$13.16	\$22.92	\$15.42	\$22.81	\$29.19
17-1021	Cartographers and Photogrammetrists	\$17.60	\$27.50	\$20.18	\$26.37	\$35.11
41-2011	Cashiers	\$7.44	\$10.90	\$7.94	\$9.81	\$12.88
47-2051	Cement Masons and Concrete Finishers	\$13.35	\$21.76	\$14.79	\$22.48	\$26.19
35-1011	Chefs and Head Cooks	\$11.87	\$20.52	\$13.85	\$18.28	\$25.47
17-2041	Chemical Engineers	\$26.25	\$38.69	\$28.45	\$36.71	\$46.29
51-9011	Chemical Equipment Operators and Tenders	\$15.90	\$23.77	\$17.47	\$21.76	\$28.67
19-4031	Chemical Technicians	\$13.95	\$21.68	\$16.09	\$20.71	\$26.76
25-1052	Chemistry Teachers, Postsecondary	(2)	(2)	(2)	(2)	(2)



SOC Code	Occupational Title	Entry-Level Hourly Wage (1)	Mean Hourly Wage	25th Percentile Hourly Wage	50th Percentile (Median) Hourly Wage	75th Percentile Hourly Wage
19-2031	Chemists	\$18.93	\$27.91	\$20.43	\$26.55	\$34.34
11-1011	Chief Executives	\$47.52	(3)	\$57.83	>\$70.00	>\$70.00
39-9011	Child Care Workers	\$9.59	\$14.60	\$11.15	\$14.28	\$16.73
21-1021	Child, Family, and School Social Workers	\$11.25	\$18.63	\$12.69	\$16.93	\$25.54
29-1011	Chiropractors	\$15.78	\$26.68	\$19.07	\$23.03	\$33.40
27-2032	Choreographers	\$13.38	\$25.32	\$15.86	\$19.59	\$25.69
17-3022	Civil Engineering Technicians	\$16.57	\$25.57	\$18.32	\$23.48	\$33.21
17-2051	Civil Engineers	\$24.75	\$34.91	\$27.27	\$33.38	\$42.26
13-1031	Claims Adjusters, Examiners, and Investigators	\$18.07	\$28.55	\$21.40	\$30.41	\$34.77
53-7061	Cleaners of Vehicles and Equipment	\$7.03	\$10.21	\$7.48	\$9.31	\$11.97
51-9192	Cleaning, Washing, and Metal Pickling Equipment Operators and Tenders	\$6.75*	\$7.86	\$6.75*	\$6.94	\$9.82
21-2011	Clergy	\$12.52	\$28.61	\$14.06	\$29.41	\$35.66
19-3031	Clinical, Counseling, and School Psychologists	\$19.33	\$30.59	\$23.27	\$30.08	\$35.66
27-2022	Coaches and Scouts	(2)	(2)	(2)	(2)	(2)
51-9121	Coating, Painting, and Spraying Machine Setters, Operators, and Tenders	\$8.67	\$14.29	\$9.96	\$14.14	\$18.77
51-2021	Coil Winders, Tapers, and Finishers	\$9.70	\$18.38	\$11.34	\$20.24	\$23.85
49-9091	Coin, Vending, and Amusement Machine Servicers and Repairers	\$8.30	\$9.78	\$8.03	\$8.60	\$9.18
35-3021	Combined Food Preparation and Serving Workers, Including Fast Food	\$7.44	\$9.19	\$7.62	\$8.54	\$10.63
27-1021	Commercial and Industrial Designers	\$17.74	\$24.20	\$19.08	\$21.27	\$26.42

SOC Code	Occupational Title	Entry-Level Hourly Wage (1)	Mean Hourly Wage	25th Percentile Hourly Wage	50th Percentile (Median) Hourly Wage	75th Percentile Hourly Wage
43-2099	Communications Equipment Operators, All Other	\$12.07	\$17.86	\$13.84	\$16.41	\$21.03
25-1122	Communications Teachers, Postsecondary	(2)	(2)	(2)	(2)	(2)
21-0000	Community and Social Services Occupations	\$11.26	\$18.58	\$12.73	\$16.19	\$23.42
13-1072	Compensation, Benefits, and Job Analysis Specialists	\$21.22	\$28.89	\$23.28	\$26.80	\$33.50
13-1041	Compliance Officers, Except Agriculture, Construction, Health and Safety, and Transportati	\$18.58	\$31.28	\$21.40	\$30.11	\$40.88
15-1011	Computer and Information Scientists, Research	\$31.88	\$44.02	\$36.74	\$43.81	\$53.32
11-3021	Computer and Information Systems Managers	\$35.39	(3)	\$42.02	\$56.14	>\$70.00
15-0000	Computer and Mathematical Occupations	\$22.97	\$36.50	\$26.84	\$35.49	\$44.91
17-2061	Computer Hardware Engineers	\$26.71	\$39.47	\$29.68	\$37.67	\$49.38
43-9011	Computer Operators	\$13.86	\$23.58	\$15.77	\$20.64	\$34.07
15-1021	Computer Programmers	\$23.78	\$37.07	\$27.11	\$36.20	\$44.97
25-1021	Computer Science Teachers, Postsecondary	(2)	(2)	(2)	(2)	(2)
15-1031	Computer Software Engineers, Applications	\$30.43	\$42.28	\$34.49	\$41.80	\$51.27
15-1032	Computer Software Engineers, Systems Software	\$27.28	\$39.62	\$29.67	\$38.65	\$48.94
15-1099	Computer Specialists, All Other	\$18.19	\$33.23	\$22.48	\$32.09	\$42.05
15-1041	Computer Support Specialists	\$18.38	\$27.47	\$20.82	\$26.52	\$34.06
15-1051	Computer Systems Analysts	\$25.19	\$36.43	\$28.53	\$35.58	\$43.92
49-2011	Computer, Automated Teller, and Office Machine Repairers	\$10.91	\$16.81	\$12.32	\$16.16	\$20.55
51-4011	Computer-Controlled Machine Tool Operators, Metal and Plastic	\$10.90	\$19.32	\$12.76	\$18.67	\$25.67
39-6012	Concierges	\$9.21	\$12.63	\$10.00	\$11.53	\$15.50

SOC Code	Occupational Title	Entry-Level Hourly Wage (1)	Mean Hourly Wage	25th Percentile Hourly Wage	50th Percentile (Median) Hourly Wage	75th Percentile Hourly Wage
19-1031	Conservation Scientists	\$26.28	\$27.02	\$25.29	\$27.04	\$28.75
47-4011	Construction and Building Inspectors	\$25.56	\$30.85	\$27.76	\$31.37	\$34.76
47-0000	Construction and Extraction Occupations	\$14.80	\$24.80	\$17.77	\$24.68	\$31.17
47-2061	Construction Laborers	\$11.95	\$20.01	\$13.87	\$21.94	\$25.70
11-9021	Construction Managers	\$31.39	\$48.18	\$36.56	\$45.21	\$61.16
35-2011	Cooks, Fast Food	\$6.75*	\$8.38	\$7.02	\$8.01	\$9.69
35-2012	Cooks, Institution and Cafeteria	\$10.15	\$13.70	\$10.99	\$13.64	\$16.13
35-2014	Cooks, Restaurant	\$8.09	\$13.10	\$8.93	\$11.22	\$15.51
35-2015	Cooks, Short Order	\$7.01	\$9.10	\$7.95	\$9.37	\$10.28
33-3012	Correctional Officers and Jailers	\$18.12	\$25.31	\$20.63	\$26.52	\$31.28
43-4021	Correspondence Clerks	\$12.27	\$16.71	\$13.39	\$16.96	\$20.39
13-1051	Cost Estimators	\$20.73	\$33.25	\$24.18	\$33.21	\$42.04
39-3092	Costume Attendants	\$9.41	\$18.58	\$10.85	\$16.34	\$27.50
41-2021	Counter and Rental Clerks	\$7.43	\$11.75	\$8.41	\$10.77	\$14.46
35-3022	Counter Attendants, Cafeteria, Food Concession, and Coffee Shop	\$7.56	\$9.21	\$7.64	\$8.46	\$10.30
43-5021	Couriers and Messengers	\$8.39	\$14.90	\$9.02	\$13.59	\$20.19
43-4031	Court, Municipal, and License Clerks	\$20.21	\$25.35	\$23.46	\$26.49	\$29.16
13-2041	Credit Analysts	\$18.41	\$29.97	\$20.63	\$27.58	\$37.15
43-4041	Credit Authorizers, Checkers, and Clerks	\$12.73	\$17.76	\$14.36	\$16.90	\$20.57
33-9091	Crossing Guards	\$8.08	\$12.19	\$8.97	\$12.07	\$14.15



SOC Code	Occupational Title	Entry-Level Hourly Wage (1)	Mean Hourly Wage	25th Percentile Hourly Wage	50th Percentile (Median) Hourly Wage	75th Percentile Hourly Wage
43-4051	Customer Service Representatives	\$11.92	\$18.93	\$13.43	\$17.30	\$22.04
51-9031	Cutters and Trimmers, Hand	\$7.98	\$12.32	\$9.09	\$11.72	\$14.78
51-9032	Cutting and Slicing Machine Setters, Operators, and Tenders	\$8.92	\$14.99	\$11.57	\$13.95	\$19.94
51-4031	Cutting, Punching, and Press Machine Setters, Operators, and Tenders, Metal and Plastic	\$10.66	\$16.66	\$12.72	\$16.12	\$21.25
27-2031	Dancers	\$8.40	\$19.27	\$10.34	\$23.44	\$26.29
43-9021	Data Entry Keyers	\$10.47	\$14.25	\$11.25	\$13.87	\$16.80
15-1061	Database Administrators	\$19.30	\$35.01	\$22.02	\$35.86	\$48.09
41-9011	Demonstrators and Product Promoters	\$9.79	\$14.16	\$10.08	\$11.38	\$15.79
31-9091	Dental Assistants	\$10.00	\$14.70	\$10.66	\$13.54	\$16.71
29-2021	Dental Hygienists	\$19.35	\$31.61	\$20.90	\$36.51	\$41.33
51-9081	Dental Laboratory Technicians	\$12.54	\$17.30	\$13.12	\$15.63	\$19.63
29-1020	Dentists	\$39.24	\$48.01	\$40.54	\$45.08	\$57.74
43-9031	Desktop Publishers	\$13.72	\$23.64	\$15.53	\$22.41	\$30.37
33-3021	Detectives and Criminal Investigators	\$22.49	\$30.58	\$25.54	\$30.98	\$35.99
29-2032	Diagnostic Medical Sonographers	\$25.16	\$31.94	\$28.34	\$32.91	\$36.89
29-2051	Dietetic Technicians	\$9.36	\$14.26	\$10.50	\$14.92	\$16.94
29-1031	Dietitians and Nutritionists	\$21.16	\$25.49	\$22.95	\$25.49	\$28.14
35-9011	Dining Room and Cafeteria Attendants and Bartender Helpers	\$6.75*	\$8.12	\$6.75*	\$7.24	\$8.58
21-2021	Directors, Religious Activities and Education	\$15.15	\$25.69	\$17.24	\$25.69	\$33.92
35-9021	Dishwashers	\$7.02	\$8.59	\$7.24	\$8.02	\$9.16

SOC Code	Occupational Title	Entry-Level Hourly Wage (1)	Mean Hourly Wage	25th Percentile Hourly Wage	50th Percentile (Median) Hourly Wage	75th Percentile Hourly Wage
43-5032	Dispatchers, Except Police, Fire, and Ambulance	\$10.89	\$17.61	\$12.59	\$16.45	\$21.14
41-9091	Door-to-Door Sales Workers, News and Street Vendors, and Related Workers	\$8.38	\$11.96	\$9.26	\$10.11	\$10.96
51-4032	Drilling and Boring Machine Tool Setters, Operators, and Tenders, Metal and Plastic	\$8.96	\$15.26	\$9.95	\$13.55	\$17.15
53-3031	Driver/Sales Workers	\$10.65	\$14.53	\$11.59	\$13.56	\$16.69
47-2081	Drywall and Ceiling Tile Installers	\$18.10	\$26.24	\$21.23	\$27.74	\$32.54
47-5021	Earth Drillers, Except Oil and Gas	\$14.09	\$25.08	\$15.46	\$27.09	\$33.39
25-1063	Economics Teachers, Postsecondary	(2)	(2)	(2)	(2)	(2)
19-3011	Economists	\$21.05	\$33.38	\$24.10	\$33.03	\$41.49
27-3041	Editors	\$16.02	\$26.17	\$18.53	\$24.44	\$31.43
11-9032	Education Administrators, Elementary and Secondary School	(2)	(2)	(2)	(2)	(2)
11-9033	Education Administrators, Postsecondary	\$31.52	\$43.01	\$37.43	\$43.14	\$49.61
11-9031	Education Administrators, Preschool and Child Care Center/Program	\$11.15	\$19.02	\$13.18	\$17.21	\$21.97
25-0000	Education, Training, and Library Occupations	\$12.01	\$21.85	\$14.05	\$20.26	\$27.75
25-9199	Education, Training, and Library Workers, All Other	\$11.37	\$18.20	\$13.75	\$16.56	\$21.30
21-1012	Educational, Vocational, and School Counselors	\$11.63	\$21.55	\$13.25	\$19.11	\$28.38
49-2092	Electric Motor, Power Tool, and Related Repairers	\$12.38	\$18.12	\$14.35	\$18.03	\$20.68
17-3023	Electrical and Electronic Engineering Technicians	\$17.76	\$22.89	\$19.34	\$22.11	\$26.12
51-2022	Electrical and Electronic Equipment Assemblers	\$8.91	\$14.22	\$10.24	\$13.82	\$17.53
17-3012	Electrical and Electronics Drafters	\$16.65	\$24.30	\$18.65	\$21.72	\$27.68

SOC Code	Occupational Title	Entry-Level Hourly Wage (1)	Mean Hourly Wage	25th Percentile Hourly Wage	50th Percentile (Median) Hourly Wage	75th Percentile Hourly Wage
49-2093	Electrical and Electronics Installers and Repairers, Transportation Equipment	\$8.30	\$9.94	\$8.10	\$8.75	\$11.45
49-2094	Electrical and Electronics Repairers, Commercial and Industrial Equipment	\$15.70	\$22.21	\$18.12	\$22.86	\$26.46
49-2095	Electrical and Electronics Repairers, Powerhouse, Substation, and Relay	\$15.56	\$23.75	\$18.38	\$25.36	\$29.36
17-2071	Electrical Engineers	\$27.11	\$36.97	\$30.26	\$36.82	\$43.78
47-2111	Electricians	\$18.93	\$30.78	\$21.89	\$30.87	\$39.73
51-2023	Electromechanical Equipment Assemblers	\$7.30	\$12.50	\$7.59	\$10.27	\$17.06
17-3024	Electro-Mechanical Technicians	\$14.96	\$19.52	\$16.02	\$19.00	\$22.19
49-2096	Electronic Equipment Installers and Repairers, Motor Vehicles	\$9.91	\$12.39	\$9.80	\$10.67	\$12.00
49-2097	Electronic Home Entertainment Equipment Installers and Repairers	\$9.31	\$18.15	\$10.63	\$18.75	\$23.77
17-2072	Electronics Engineers, Except Computer	\$25.99	\$37.06	\$28.83	\$36.25	\$44.56
25-2021	Elementary School Teachers, Except Special Education	(2)	(2)	(2)	(2)	(2)
47-4021	Elevator Installers and Repairers	\$27.43	\$39.53	\$31.67	\$42.10	\$48.59
39-4011	Embalmers	\$19.55	\$21.67	\$19.75	\$21.75	\$23.99
13-1061	Emergency Management Specialists	\$20.77	\$32.51	\$22.82	\$30.61	\$39.85
29-2041	Emergency Medical Technicians and Paramedics	\$12.89	\$22.54	\$14.87	\$18.98	\$29.67
13-1071	Employment, Recruitment, and Placement Specialists	\$17.59	\$34.41	\$19.32	\$27.72	\$46.94
51-2031	Engine and Other Machine Assemblers	\$11.28	\$15.44	\$12.62	\$15.34	\$18.87
11-9041	Engineering Managers	\$35.39	\$52.07	\$40.36	\$53.06	\$61.78
25-1032	Engineering Teachers, Postsecondary	(2)	(2)	(2)	(2)	(2)
17-2199	Engineers, All Other	\$25.84	\$37.07	\$29.16	\$35.74	\$44.28



SOC Code	Occupational Title	Entry-Level Hourly Wage (1)	Mean Hourly Wage	25th Percentile Hourly Wage	50th Percentile (Median) Hourly Wage	75th Percentile Hourly Wage
25-1123	English Language and Literature Teachers, Postsecondary	(2)	(2)	(2)	(2)	(2)
27-2099	Entertainers and Performers, Sports and Related Workers, All Other	(2)	(2)	(2)	(2)	(2)
17-3025	Environmental Engineering Technicians	\$14.39	\$21.02	\$16.63	\$20.81	\$24.86
17-2081	Environmental Engineers	\$24.56	\$35.52	\$28.05	\$35.99	\$42.05
19-4091	Environmental Science and Protection Technicians, Including Health	\$13.50	\$20.63	\$15.10	\$18.47	\$23.83
19-2041	Environmental Scientists and Specialists, Including Health	\$22.32	\$32.64	\$25.23	\$32.15	\$39.48
51-9194	Etchers and Engravers	\$11.43	\$15.65	\$12.86	\$15.95	\$18.78
43-6011	Executive Secretaries and Administrative Assistants	\$15.09	\$20.91	\$16.56	\$20.03	\$24.69
51-9041	Extruding, Forming, Pressing, and Compacting Machine Setters, Operators, and Tenders	\$7.99	\$14.29	\$9.05	\$14.59	\$19.28
51-6092	Fabric and Apparel Patternmakers	\$12.57	\$20.59	\$14.55	\$19.91	\$25.01
29-1062	Family and General Practitioners	\$46.81	\$56.78	\$49.95	\$57.18	\$63.71
11-9011	Farm, Ranch, and Other Agricultural Managers	\$16.65	\$28.64	\$18.06	\$28.30	\$35.73
45-0000	Farming, Fishing, and Forestry Occupations	\$8.40	\$13.32	\$9.09	\$11.25	\$15.72
45-9099	Farming, Fishing, and Forestry Workers, All Other	\$8.10	\$10.79	\$8.21	\$9.11	\$10.70
45-2092	Farmworkers and Laborers, Crop, Nursery, and Greenhouse	\$8.81	\$12.62	\$9.59	\$11.43	\$15.23
45-2093	Farmworkers, Farm and Ranch Animals	\$7.92	\$11.66	\$8.49	\$12.09	\$13.81
27-1022	Fashion Designers	\$18.31	\$29.73	\$20.15	\$25.41	\$36.27
43-4071	File Clerks	\$9.80	\$13.30	\$10.95	\$13.72	\$15.63
27-4032	Film and Video Editors	\$15.61	\$24.18	\$17.90	\$24.13	\$27.43
13-2051	Financial Analysts	\$23.03	\$35.79	\$26.17	\$33.18	\$42.49

SOC Code	Occupational Title	Entry-Level Hourly Wage (1)	Mean Hourly Wage	25th Percentile Hourly Wage	50th Percentile (Median) Hourly Wage	75th Percentile Hourly Wage
13-2061	Financial Examiners	\$24.57	\$37.80	\$27.76	\$36.86	\$47.64
11-3031	Financial Managers	\$29.65	\$47.96	\$34.93	\$47.09	\$60.08
13-2099	Financial Specialists, All Other	\$19.68	\$35.86	\$22.33	\$30.08	\$45.94
27-1013	Fine Artists, Including Painters, Sculptors, and Illustrators	\$14.21	\$23.36	\$16.37	\$20.56	\$27.13
33-2011	Fire Fighters	\$18.12	\$28.59	\$20.81	\$29.66	\$35.92
33-2021	Fire Inspectors and Investigators	\$31.93	\$35.94	\$32.16	\$35.31	\$40.80
47-1011	First-Line Supervisors/Managers of Construction Trades and Extraction Workers	\$21.72	\$31.84	\$23.24	\$30.73	\$39.31
33-1011	First-Line Supervisors/Managers of Correctional Officers	\$23.47	\$29.68	\$28.27	\$31.13	\$33.97
45-1011	First-Line Supervisors/Managers of Farming, Fishing, and Forestry Workers	\$16.88	\$23.65	\$18.47	\$21.78	\$28.30
33-1021	First-Line Supervisors/Managers of Fire Fighting and Prevention Workers	\$22.95	\$36.53	\$24.29	\$30.99	\$49.57
35-1012	First-Line Supervisors/Managers of Food Preparation and Serving Workers	\$12.45	\$17.58	\$14.34	\$16.76	\$21.00
53-1021	First-Line Supervisors/Managers of Helpers, Laborers, and Material Movers, Hand	\$14.22	\$20.93	\$15.94	\$19.82	\$24.83
37-1011	First-Line Supervisors/Managers of Housekeeping and Janitorial Workers	\$13.51	\$19.75	\$15.30	\$18.63	\$24.33
37-1012	First-Line Supervisors/Managers of Landscaping, Lawn Service, and Groundskeeping Workers	\$13.61	\$19.39	\$14.54	\$17.08	\$22.88
49-1011	First-Line Supervisors/Managers of Mechanics, Installers, and Repairers	\$23.11	\$30.55	\$25.25	\$29.51	\$34.00
41-1012	First-Line Supervisors/Managers of Non-Retail Sales Workers	\$18.38	\$33.63	\$21.52	\$28.85	\$43.98
43-1011	First-Line Supervisors/Managers of Office and Administrative Support Workers	\$16.79	\$25.47	\$18.93	\$24.14	\$30.37
39-1021	First-Line Supervisors/Managers of Personal Service Workers	\$12.06	\$17.75	\$13.48	\$16.50	\$21.31

SOC Code	Occupational Title	Entry-Level Hourly Wage (1)	Mean Hourly Wage	25th Percentile Hourly Wage	50th Percentile (Median) Hourly Wage	75th Percentile Hourly Wage
33-1012	First-Line Supervisors/Managers of Police and Detectives	\$34.49	\$44.24	\$38.59	\$46.00	\$52.89
51-1011	First-Line Supervisors/Managers of Production and Operating Workers	\$15.57	\$27.97	\$17.82	\$26.18	\$35.89
41-1011	First-Line Supervisors/Managers of Retail Sales Workers	\$12.41	\$20.04	\$14.04	\$17.58	\$22.98
53-1031	First-Line Supervisors/Managers of Transportation and Material-Moving Machine and Vehicle	\$14.96	\$24.21	\$16.86	\$21.91	\$30.44
33-1099	First-Line Supervisors/Managers, Protective Service Workers, All Other	\$12.40	\$19.24	\$13.31	\$17.38	\$23.74
33-3031	Fish and Game Wardens	\$19.48	\$26.11	\$20.33	\$24.32	\$31.56
39-9031	Fitness Trainers and Aerobics Instructors	\$7.71	\$20.52	\$8.60	\$15.69	\$29.45
47-2042	Floor Layers, Except Carpet, Wood, and Hard Tiles	\$13.98	\$20.92	\$16.22	\$21.97	\$26.21
47-2043	Floor Sanders and Finishers	\$20.72	\$29.64	\$26.04	\$31.46	\$35.14
27-1023	Floral Designers	\$10.94	\$15.92	\$12.28	\$16.35	\$20.06
51-3091	Food and Tobacco Roasting, Baking, and Drying Machine Operators and Tenders	\$12.67	\$17.66	\$13.60	\$19.23	\$21.00
51-3092	Food Batchmakers	\$7.85	\$11.62	\$8.31	\$10.24	\$13.37
51-3093	Food Cooking Machine Operators and Tenders	\$7.96	\$10.56	\$8.11	\$9.14	\$12.84
35-9099	Food Preparation and Serving Related Workers, All Other	\$8.70	\$12.78	\$10.14	\$12.68	\$14.51
35-0000	Food Preparation and Serving-Related Occupations	\$6.97	\$9.94	\$7.32	\$8.47	\$11.19
35-2021	Food Preparation Workers	\$7.54	\$8.90	\$7.49	\$8.24	\$9.82
35-3041	Food Servers, Nonrestaurant	\$7.89	\$10.24	\$8.42	\$10.07	\$12.05
11-9051	Food Service Managers	\$15.33	\$22.81	\$16.46	\$20.04	\$24.77
25-1124	Foreign Language and Literature Teachers, Postsecondary	(2)	(2)	(2)	(2)	(2)



SOC Code	Occupational Title	Entry-Level Hourly Wage (1)	Mean Hourly Wage	25th Percentile Hourly Wage	50th Percentile (Median) Hourly Wage	75th Percentile Hourly Wage
19-1032	Foresters	\$13.87	\$26.73	\$15.51	\$25.40	\$35.27
51-4022	Forging Machine Setters, Operators, and Tenders, Metal and Plastic	\$7.31	\$11.30	\$7.96	\$9.98	\$13.48
39-4021	Funeral Attendants	\$8.51	\$14.05	\$8.86	\$14.21	\$18.68
11-9061	Funeral Directors	\$17.70	\$22.86	\$19.16	\$21.85	\$27.20
51-7021	Furniture Finishers	\$8.64	\$15.55	\$9.44	\$14.33	\$18.28
11-1021	General and Operations Managers	\$26.12	\$48.91	\$31.83	\$50.62	\$67.53
19-2042	Geoscientists, Except Hydrologists and Geographers	\$25.06	\$36.85	\$27.95	\$33.89	\$45.54
47-2121	Glaziers	\$16.26	\$25.37	\$17.82	\$25.78	\$32.61
25-1191	Graduate Teaching Assistants	(2)	(2)	(2)	(2)	(2)
27-1024	Graphic Designers	\$17.11	\$25.92	\$19.45	\$24.78	\$31.72
51-9022	Grinding and Polishing Workers, Hand	\$10.07	\$13.68	\$10.28	\$11.56	\$17.21
51-4033	Grinding, Lapping, Polishing, and Buffing Machine Tool Setters, Operators, and Tenders, Me	\$9.11	\$13.28	\$10.06	\$12.68	\$16.12
37-3019	Grounds Maintenance Workers, All Other	\$9.15	\$11.69	\$9.70	\$11.07	\$12.98
39-5012	Hairdressers, Hairstylists, and Cosmetologists	\$7.08	\$14.25	\$7.62	\$12.00	\$18.39
47-4041	Hazardous Materials Removal Workers	\$14.04	\$20.14	\$16.20	\$20.09	\$24.65
17-2111	Health and Safety Engineers, Except Mining Safety Engineers and Inspectors	\$23.54	\$32.47	\$26.46	\$31.74	\$37.91
29-1199	Health Diagnosing and Treating Practitioners, All Other	\$21.00	\$44.25	\$25.83	\$48.29	\$60.94
21-1091	Health Educators	\$13.43	\$22.82	\$14.28	\$20.05	\$29.47
25-1071	Health Specialties Teachers, Postsecondary	(2)	(2)	(2)	(2)	(2)

SOC Code	Occupational Title	Entry-Level Hourly Wage (1)	Mean Hourly Wage	25th Percentile Hourly Wage	50th Percentile (Median) Hourly Wage	75th Percentile Hourly Wage
29-0000	Healthcare Practitioners and Technical Occupations	\$17.06	\$30.09	\$20.64	\$29.27	\$37.16
31-0000	Healthcare Support Occupations	\$9.30	\$13.75	\$10.36	\$13.48	\$16.32
31-9099	Healthcare Support Workers, All Other	\$11.36	\$16.15	\$12.58	\$15.20	\$17.81
51-4191	Heat Treating Equipment Setters, Operators, and Tenders, Metal and Plastic	\$9.99	\$18.12	\$11.79	\$18.58	\$21.81
49-9021	Heating, Air Conditioning, and Refrigeration Mechanics and Installers	\$14.78	\$21.17	\$17.28	\$21.49	\$25.53
47-3019	Helpers, Construction Trades, All Other	\$7.67	\$10.15	\$7.92	\$8.87	\$12.21
47-3011	Helpers--Brickmasons, Blockmasons, Stonemasons, and Tile and Marble Setters	\$10.83	\$14.21	\$11.37	\$13.20	\$16.59
47-3012	Helpers--Carpenters	\$9.01	\$13.81	\$10.32	\$13.82	\$16.76
47-3013	Helpers--Electricians	\$9.46	\$18.59	\$11.29	\$18.88	\$25.34
47-5081	Helpers--Extraction Workers	\$15.69	\$21.71	\$17.25	\$22.98	\$26.29
49-9098	Helpers--Installation, Maintenance, and Repair Workers	\$8.93	\$13.62	\$9.81	\$12.22	\$16.80
47-3014	Helpers--Painters, Paperhangers, Plasterers, and Stucco Masons	\$8.09	\$13.74	\$9.60	\$12.85	\$18.05
47-3015	Helpers--Pipelayers, Plumbers, Pipefitters, and Steamfitters	\$12.53	\$17.21	\$13.76	\$17.06	\$20.42
51-9198	Helpers--Production Workers	\$8.04	\$11.29	\$8.84	\$10.48	\$13.69
47-3016	Helpers--Roofers	\$9.25	\$12.99	\$10.40	\$12.33	\$15.91
47-4051	Highway Maintenance Workers	\$12.40	\$20.71	\$16.51	\$22.61	\$26.53
25-1125	History Teachers, Postsecondary	(2)	(2)	(2)	(2)	(2)
49-9031	Home Appliance Repairers	\$11.28	\$18.47	\$12.48	\$18.73	\$23.41
31-1011	Home Health Aides	\$8.21	\$10.99	\$9.19	\$10.40	\$12.92

SOC Code	Occupational Title	Entry-Level Hourly Wage (1)	Mean Hourly Wage	25th Percentile Hourly Wage	50th Percentile (Median) Hourly Wage	75th Percentile Hourly Wage
35-9031	Hosts and Hostesses, Restaurant, Lounge, and Coffee Shop	\$7.24	\$8.74	\$7.44	\$8.17	\$9.14
43-4081	Hotel, Motel, and Resort Desk Clerks	\$9.26	\$12.64	\$10.42	\$12.70	\$15.20
43-4161	Human Resources Assistants, Except Payroll and Timekeeping	\$14.28	\$19.87	\$15.71	\$18.61	\$22.52
11-3040	Human Resources Managers	\$25.28	\$40.59	\$28.95	\$39.08	\$51.52
19-2043	Hydrologists	\$27.06	\$38.96	\$29.37	\$35.52	\$48.99
17-3026	Industrial Engineering Technicians	\$14.21	\$21.52	\$16.25	\$20.55	\$25.65
17-2112	Industrial Engineers	\$24.14	\$35.36	\$28.33	\$35.24	\$42.97
49-9041	Industrial Machinery Mechanics	\$16.27	\$21.15	\$18.23	\$21.42	\$25.02
11-3051	Industrial Production Managers	\$22.95	\$37.07	\$26.32	\$34.36	\$47.35
53-7051	Industrial Truck and Tractor Operators	\$11.37	\$17.16	\$12.89	\$16.37	\$19.88
51-9061	Inspectors, Testers, Sorters, Samplers, and Weighers	\$7.32	\$12.92	\$8.17	\$11.69	\$16.28
49-0000	Installation, Maintenance, and Repair Occupations	\$12.11	\$20.26	\$14.38	\$20.36	\$25.94
49-9099	Installation, Maintenance, and Repair Workers, All Other	\$11.17	\$21.57	\$13.36	\$22.04	\$29.38
25-9031	Instructional Coordinators	\$14.05	\$24.34	\$15.85	\$21.01	\$33.20
13-1032	Insurance Appraisers, Auto Damage	\$17.59	\$23.68	\$19.01	\$21.62	\$30.77
43-9041	Insurance Claims and Policy Processing Clerks	\$13.24	\$20.70	\$14.73	\$17.82	\$25.40
41-3021	Insurance Sales Agents	\$17.44	\$36.05	\$20.39	\$31.91	\$49.20
13-2053	Insurance Underwriters	\$18.13	\$30.97	\$21.20	\$29.31	\$40.71
27-1025	Interior Designers	\$17.30	\$25.53	\$18.90	\$23.23	\$31.64
43-4111	Interviewers, Except Eligibility and Loan	\$9.80	\$14.27	\$11.00	\$13.36	\$16.75



SOC Code	Occupational Title	Entry-Level Hourly Wage (1)	Mean Hourly Wage	25th Percentile Hourly Wage	50th Percentile (Median) Hourly Wage	75th Percentile Hourly Wage
37-2011	Janitors and Cleaners, Except Maids and Housekeeping Cleaners	\$8.21	\$11.76	\$9.03	\$11.41	\$14.15
51-9071	Jewelers and Precious Stone and Metal Workers	\$9.20	\$14.74	\$10.71	\$14.10	\$19.16
51-5021	Job Printers	\$15.22	\$24.35	\$18.78	\$23.07	\$32.43
23-1023	Judges, Magistrate Judges, and Magistrates	\$54.84	\$59.98	\$57.31	\$61.13	\$66.68
53-7062	Laborers and Freight, Stock, and Material Movers, Hand	\$8.39	\$11.83	\$9.15	\$11.08	\$13.76
17-1012	Landscape Architects	\$18.39	\$27.95	\$20.35	\$26.06	\$34.42
37-3011	Landscaping and Groundskeeping Workers	\$8.64	\$13.00	\$9.52	\$12.02	\$16.12
51-4034	Lathe and Turning Machine Tool Setters, Operators, and Tenders, Metal and Plastic	\$11.25	\$16.78	\$12.59	\$16.04	\$19.92
51-6011	Laundry and Dry-Cleaning Workers	\$7.26	\$9.64	\$7.83	\$9.26	\$10.90
23-2092	Law Clerks	\$14.91	\$22.04	\$16.63	\$19.82	\$24.57
23-1011	Lawyers	\$36.79	(3)	\$42.93	\$58.18	>\$70.00
51-4192	Lay-Out Workers, Metal and Plastic	\$10.86	\$23.56	\$11.01	\$24.15	\$33.67
23-0000	Legal Occupations	\$23.25	\$44.97	\$27.71	\$44.32	\$60.97
43-6012	Legal Secretaries	\$18.64	\$25.26	\$20.64	\$25.63	\$30.53
11-1031	Legislators	\$14.13	\$19.19	\$18.04	\$20.11	\$21.73
25-4021	Librarians	\$18.39	\$27.27	\$21.81	\$26.52	\$33.60
25-1082	Library Science Teachers, Postsecondary	(2)	(2)	(2)	(2)	(2)
25-4031	Library Technicians	\$12.26	\$17.04	\$14.30	\$17.00	\$20.25
29-2061	Licensed Practical and Licensed Vocational Nurses	\$17.43	\$21.04	\$18.64	\$20.99	\$23.47
19-0000	Life, Physical, and Social Science Occupations	\$16.04	\$29.48	\$18.94	\$27.73	\$36.76

SOC Code	Occupational Title	Entry-Level Hourly Wage (1)	Mean Hourly Wage	25th Percentile Hourly Wage	50th Percentile (Median) Hourly Wage	75th Percentile Hourly Wage
13-2071	Loan Counselors	\$14.52	\$25.60	\$16.42	\$21.51	\$30.06
43-4131	Loan Interviewers and Clerks	\$14.60	\$21.16	\$16.42	\$19.70	\$26.03
13-2072	Loan Officers	\$20.67	\$37.07	\$22.51	\$29.50	\$59.60
39-3093	Locker Room, Coatroom, and Dressing Room Attendants	\$7.48	\$10.11	\$7.86	\$9.61	\$11.54
49-9094	Locksmiths and Safe Repairers	\$10.56	\$17.27	\$11.85	\$17.18	\$21.51
11-9081	Lodging Managers	\$18.20	\$25.30	\$19.69	\$22.22	\$27.79
51-4041	Machinists	\$10.12	\$19.01	\$12.04	\$19.89	\$25.09
37-2012	Maids and Housekeeping Cleaners	\$8.37	\$11.25	\$9.18	\$11.40	\$13.40
43-9051	Mail Clerks and Mail Machine Operators, Except Postal Service	\$9.06	\$12.99	\$9.92	\$12.82	\$15.42
49-9042	Maintenance and Repair Workers, General	\$10.26	\$17.28	\$11.95	\$16.48	\$21.48
49-9043	Maintenance Workers, Machinery	\$12.56	\$22.81	\$14.41	\$23.95	\$29.46
39-5091	Makeup Artists, Theatrical and Performance	\$10.28	\$16.78	\$12.79	\$18.72	\$21.12
13-1111	Management Analysts	\$23.58	\$39.16	\$26.99	\$34.92	\$47.60
11-0000	Management Occupations	\$23.67	\$44.83	\$29.10	\$43.68	\$60.25
11-9199	Managers, All Other	\$24.59	\$41.73	\$29.35	\$40.64	\$54.41
39-5092	Manicurists and Pedicurists	\$6.75*	\$7.73	\$6.86	\$7.72	\$8.45
17-2121	Marine Engineers and Naval Architects	\$18.89	\$29.69	\$22.38	\$32.28	\$37.03
19-3021	Market Research Analysts	\$23.18	\$40.52	\$26.42	\$37.23	\$55.59
11-2021	Marketing Managers	\$26.62	\$45.20	\$31.18	\$43.75	\$59.61
21-1013	Marriage and Family Therapists	\$15.27	\$17.09	\$15.07	\$16.42	\$19.28

SOC Code	Occupational Title	Entry-Level Hourly Wage (1)	Mean Hourly Wage	25th Percentile Hourly Wage	50th Percentile (Median) Hourly Wage	75th Percentile Hourly Wage
31-9011	Massage Therapists	\$6.75*	\$13.06	\$7.15	\$9.77	\$13.33
53-7199	Material Moving Workers, All Other	\$9.22	\$15.63	\$10.07	\$15.20	\$20.51
17-2131	Materials Engineers	\$21.79	\$30.86	\$24.53	\$30.15	\$34.98
19-2032	Materials Scientists	\$30.20	\$38.91	\$32.86	\$38.99	\$45.97
25-1022	Mathematical Science Teachers, Postsecondary	(2)	(2)	(2)	(2)	(2)
51-3022	Meat, Poultry, and Fish Cutters and Trimmers	\$8.77	\$12.91	\$9.75	\$13.18	\$16.28
17-3013	Mechanical Drafters	\$18.40	\$24.66	\$20.07	\$24.23	\$29.43
17-3027	Mechanical Engineering Technicians	\$14.82	\$20.57	\$15.69	\$18.26	\$24.68
17-2141	Mechanical Engineers	\$24.78	\$33.85	\$27.01	\$32.51	\$39.54
27-4099	Media and Communication Equipment Workers, All Other	\$12.12	\$19.24	\$14.31	\$17.76	\$22.52
27-3099	Media and Communication Workers, All Other	\$13.20	\$22.49	\$15.66	\$21.37	\$28.16
29-2012	Medical and Clinical Laboratory Technicians	\$12.38	\$17.26	\$13.46	\$16.37	\$19.76
29-2011	Medical and Clinical Laboratory Technologists	\$23.09	\$28.40	\$24.51	\$28.87	\$32.88
11-9111	Medical and Health Services Managers	\$26.20	\$39.78	\$30.60	\$38.83	\$48.75
21-1022	Medical and Public Health Social Workers	\$13.23	\$21.80	\$15.11	\$21.48	\$28.79
51-9082	Medical Appliance Technicians	\$15.70	\$19.57	\$15.99	\$17.90	\$24.04
31-9092	Medical Assistants	\$12.99	\$15.50	\$14.58	\$15.88	\$17.12
31-9093	Medical Equipment Preparers	\$13.10	\$16.53	\$14.54	\$16.66	\$19.17
29-2071	Medical Records and Health Information Technicians	\$13.14	\$16.34	\$13.88	\$15.76	\$18.71
43-6013	Medical Secretaries	\$13.00	\$16.53	\$14.69	\$16.40	\$18.05



SOC Code	Occupational Title	Entry-Level Hourly Wage (1)	Mean Hourly Wage	25th Percentile Hourly Wage	50th Percentile (Median) Hourly Wage	75th Percentile Hourly Wage
31-9094	Medical Transcriptionists	\$12.97	\$17.30	\$13.89	\$17.05	\$20.66
13-1121	Meeting and Convention Planners	\$17.60	\$27.81	\$19.97	\$27.07	\$34.06
21-1014	Mental Health Counselors	\$10.30	\$14.06	\$11.29	\$13.95	\$16.66
27-1026	Merchandise Displayers and Window Trimmers	\$8.18	\$15.12	\$9.41	\$14.72	\$19.62
51-4199	Metal Workers and Plastic Workers, All Other	\$8.99	\$17.06	\$9.99	\$18.25	\$21.69
19-1022	Microbiologists	\$22.69	\$33.18	\$26.09	\$32.05	\$38.54
25-2022	Middle School Teachers, Except Special and Vocational Education	(2)	(2)	(2)	(2)	(2)
49-3042	Mobile Heavy Equipment Mechanics, Except Engines	\$16.31	\$23.40	\$17.80	\$21.81	\$29.99
51-7031	Model Makers, Wood	\$12.08	\$18.77	\$13.85	\$17.09	\$23.75
53-3099	Motor Vehicle Operators, All Other	\$8.08	\$12.30	\$8.48	\$9.86	\$15.28
49-3051	Motorboat Mechanics	\$15.41	\$19.29	\$16.79	\$19.70	\$21.95
49-3052	Motorcycle Mechanics	\$14.82	\$17.81	\$14.99	\$16.52	\$19.84
27-1014	Multi-Media Artists and Animators	\$19.01	\$31.97	\$23.09	\$30.29	\$44.79
51-4081	Multiple Machine Tool Setters, Operators, and Tenders, Metal and Plastic	\$9.28	\$12.75	\$9.58	\$10.79	\$14.91
27-2041	Music Directors and Composers	(2)	(2)	(2)	(2)	(2)
27-2042	Musicians and Singers	(2)	(2)	(2)	(2)	(2)
11-9121	Natural Sciences Managers	\$26.36	\$44.16	\$31.72	\$44.00	\$57.45
15-1071	Network and Computer Systems Administrators	\$22.91	\$33.70	\$26.24	\$32.09	\$39.84
15-1081	Network Systems and Data Communications Analysts	\$23.70	\$42.66	\$27.64	\$39.98	\$60.76
27-3020	News Analysts, Reporters and Correspondents	\$11.54	\$26.52	\$13.12	\$23.83	\$32.76

SOC Code	Occupational Title	Entry-Level Hourly Wage (1)	Mean Hourly Wage	25th Percentile Hourly Wage	50th Percentile (Median) Hourly Wage	75th Percentile Hourly Wage
39-2021	Nonfarm Animal Caretakers	\$7.75	\$12.51	\$8.60	\$11.42	\$15.07
29-2033	Nuclear Medicine Technologists	\$26.67	\$30.25	\$28.62	\$31.13	\$33.74
51-4012	Numerical Tool and Process Control Programmers	\$14.66	\$20.68	\$15.74	\$19.58	\$25.56
31-1012	Nursing Aides, Orderlies, and Attendants	\$9.61	\$12.56	\$10.39	\$12.29	\$15.03
25-1072	Nursing Instructors and Teachers, Postsecondary	(2)	(2)	(2)	(2)	(2)
29-9010	Occupational Health and Safety Specialists and Technicians	\$18.88	\$28.46	\$22.69	\$30.70	\$34.94
31-2011	Occupational Therapist Assistants	\$19.54	\$23.36	\$20.27	\$23.24	\$26.27
29-1122	Occupational Therapists	\$25.52	\$31.48	\$28.41	\$31.85	\$34.76
43-0000	Office and Administrative Support Occupations	\$10.86	\$17.54	\$12.76	\$16.78	\$21.12
43-9061	Office Clerks, General	\$8.11	\$13.46	\$9.32	\$13.36	\$16.94
43-9071	Office Machine Operators, Except Computer	\$8.12	\$12.13	\$9.56	\$11.90	\$14.29
47-2073	Operating Engineers and Other Construction Equipment Operators	\$21.97	\$27.98	\$24.51	\$29.09	\$33.06
15-2031	Operations Research Analysts	\$19.15	\$29.34	\$20.87	\$25.81	\$34.06
51-9083	Ophthalmic Laboratory Technicians	\$14.71	\$16.60	\$15.41	\$16.77	\$18.22
29-2081	Opticians, Dispensing	\$13.57	\$16.58	\$14.32	\$16.42	\$18.47
29-1041	Optometrists	\$33.33	\$44.42	\$36.26	\$41.40	\$53.71
43-4151	Order Clerks	\$10.51	\$15.07	\$11.61	\$14.32	\$18.01
29-2091	Orthotists and Prosthetists	\$20.19	\$26.02	\$21.20	\$25.71	\$31.70
49-3053	Outdoor Power Equipment and Other Small Engine Mechanics	\$13.42	\$15.26	\$14.49	\$15.61	\$16.72
51-9111	Packaging and Filling Machine Operators and Tenders	\$8.00	\$11.43	\$8.61	\$10.32	\$12.57

SOC Code	Occupational Title	Entry-Level Hourly Wage (1)	Mean Hourly Wage	25th Percentile Hourly Wage	50th Percentile (Median) Hourly Wage	75th Percentile Hourly Wage
53-7064	Packers and Packagers, Hand	\$7.24	\$9.46	\$7.54	\$8.54	\$10.85
47-2141	Painters, Construction and Maintenance	\$13.51	\$20.29	\$14.85	\$18.48	\$26.16
51-9122	Painters, Transportation Equipment	\$14.29	\$21.75	\$15.90	\$23.48	\$26.74
51-9123	Painting, Coating, and Decorating Workers	\$9.70	\$16.75	\$11.00	\$17.53	\$21.78
51-9196	Paper Goods Machine Setters, Operators, and Tenders	\$8.67	\$13.97	\$9.61	\$13.20	\$17.67
47-2142	Paperhangers	\$19.69	\$25.68	\$22.30	\$26.48	\$30.12
23-2011	Paralegals and Legal Assistants	\$18.11	\$25.80	\$20.02	\$24.76	\$30.73
33-3041	Parking Enforcement Workers	\$14.38	\$19.80	\$16.40	\$19.42	\$21.74
53-6021	Parking Lot Attendants	\$6.83	\$9.84	\$7.23	\$8.92	\$12.00
41-2022	Parts Salespersons	\$11.38	\$17.57	\$13.42	\$17.12	\$21.24
47-2071	Paving, Surfacing, and Tamping Equipment Operators	\$13.93	\$17.28	\$14.40	\$16.24	\$19.26
43-3051	Payroll and Timekeeping Clerks	\$13.87	\$20.00	\$15.97	\$19.13	\$22.72
29-1065	Pediatricians, General	\$33.08	\$49.32	\$47.84	\$53.88	\$58.46
39-9021	Personal and Home Care Aides	\$7.73	\$9.41	\$8.29	\$9.37	\$10.56
39-0000	Personal Care and Service Occupations	\$7.79	\$15.09	\$8.54	\$12.17	\$17.53
39-9099	Personal Care and Service Workers, All Other	\$8.48	\$12.89	\$9.43	\$12.76	\$15.35
13-2052	Personal Financial Advisors	\$23.22	\$40.14	\$26.13	\$36.76	\$53.39
37-2021	Pest Control Workers	\$9.37	\$12.59	\$10.52	\$12.78	\$14.78
37-3012	Pesticide Handlers, Sprayers, and Applicators, Vegetation	\$13.02	\$17.00	\$14.60	\$17.22	\$20.14
51-8093	Petroleum Pump System Operators, Refinery Operators, and Gaugers	\$20.01	\$24.36	\$20.09	\$22.38	\$28.56



SOC Code	Occupational Title	Entry-Level Hourly Wage (1)	Mean Hourly Wage	25th Percentile Hourly Wage	50th Percentile (Median) Hourly Wage	75th Percentile Hourly Wage
29-1051	Pharmacists	\$32.38	\$39.25	\$38.08	\$41.41	\$44.81
31-9095	Pharmacy Aides	\$9.17	\$12.96	\$10.23	\$12.70	\$15.81
29-2052	Pharmacy Technicians	\$13.02	\$16.92	\$14.14	\$16.34	\$18.63
25-1126	Philosophy and Religion Teachers, Postsecondary	(2)	(2)	(2)	(2)	(2)
27-4021	Photographers	\$7.75	\$17.65	\$8.65	\$13.83	\$28.08
51-9131	Photographic Process Workers	\$9.69	\$19.07	\$10.89	\$19.28	\$24.16
51-9132	Photographic Processing Machine Operators	\$9.71	\$12.05	\$9.99	\$11.18	\$13.54
19-2099	Physical Scientists, All Other	\$24.37	\$34.75	\$29.01	\$33.46	\$40.09
31-2022	Physical Therapist Aides	\$9.29	\$13.56	\$9.81	\$11.41	\$16.55
31-2021	Physical Therapist Assistants	\$18.62	\$25.89	\$21.64	\$28.01	\$31.45
29-1123	Physical Therapists	\$27.58	\$33.31	\$29.36	\$33.99	\$37.74
29-1071	Physician Assistants	\$22.15	\$30.79	\$29.00	\$32.33	\$36.09
25-1054	Physics Teachers, Postsecondary	(2)	(2)	(2)	(2)	(2)
47-2151	Pipelayers	\$16.48	\$23.03	\$18.85	\$23.50	\$26.38
47-2161	Plasterers and Stucco Masons	\$13.81	\$22.52	\$16.16	\$24.85	\$28.14
51-4193	Plating and Coating Machine Setters, Operators, and Tenders, Metal and Plastic	\$10.98	\$16.10	\$11.94	\$15.01	\$20.30
47-2152	Plumbers, Pipefitters, and Steamfitters	\$17.48	\$28.95	\$21.92	\$27.77	\$39.18
43-5031	Police, Fire, and Ambulance Dispatchers	\$14.79	\$20.25	\$17.23	\$20.80	\$23.42
25-1065	Political Science Teachers, Postsecondary	(2)	(2)	(2)	(2)	(2)
43-5051	Postal Service Clerks	\$17.74	\$18.96	\$18.02	\$19.36	\$20.71

SOC Code	Occupational Title	Entry-Level Hourly Wage (1)	Mean Hourly Wage	25th Percentile Hourly Wage	50th Percentile (Median) Hourly Wage	75th Percentile Hourly Wage
43-5052	Postal Service Mail Carriers	\$18.15	\$19.07	\$18.13	\$19.43	\$20.72
43-5053	Postal Service Mail Sorters, Processors, and Processing Machine Operators	\$12.32	\$16.67	\$13.15	\$17.85	\$19.94
49-9069	Precision Instrument and Equipment Repairers, All Other	\$21.70	\$29.40	\$26.61	\$31.79	\$34.74
51-5022	Prepress Technicians and Workers	\$12.76	\$21.11	\$14.96	\$20.91	\$26.82
25-2011	Preschool Teachers, Except Special Education	\$9.41	\$13.49	\$10.43	\$12.87	\$16.06
51-6021	Pressers, Textile, Garment, and Related Materials	\$7.41	\$9.24	\$7.56	\$8.50	\$10.40
51-5023	Printing Machine Operators	\$11.17	\$19.26	\$13.16	\$18.41	\$24.17
33-9021	Private Detectives and Investigators	\$13.26	\$22.47	\$15.14	\$20.10	\$27.02
43-3061	Procurement Clerks	\$13.02	\$17.42	\$14.44	\$16.75	\$20.07
27-2012	Producers and Directors	(2)	(2)	(2)	(2)	(2)
51-0000	Production Occupations	\$7.89	\$15.24	\$8.81	\$12.83	\$19.68
51-9199	Production Workers, All Other	\$7.31	\$12.14	\$7.92	\$10.59	\$15.29
43-5061	Production, Planning, and Expediting Clerks	\$12.66	\$19.14	\$14.04	\$17.39	\$21.91
11-9141	Property, Real Estate, and Community Association Managers	\$6.75*	\$20.58	\$6.86	\$15.39	\$29.65
33-0000	Protective Service Occupations	\$10.06	\$20.55	\$11.38	\$15.96	\$29.70
29-2053	Psychiatric Technicians	\$15.63	\$17.71	\$15.46	\$16.87	\$18.94
29-1066	Psychiatrists	\$40.78	\$56.80	\$54.45	\$58.46	\$60.94
25-1066	Psychology Teachers, Postsecondary	(2)	(2)	(2)	(2)	(2)
11-2031	Public Relations Managers	\$25.04	\$38.67	\$29.37	\$37.03	\$47.41
27-3031	Public Relations Specialists	\$19.03	\$34.39	\$22.15	\$32.97	\$48.88

SOC Code	Occupational Title	Entry-Level Hourly Wage (1)	Mean Hourly Wage	25th Percentile Hourly Wage	50th Percentile (Median) Hourly Wage	75th Percentile Hourly Wage
13-1021	Purchasing Agents and Buyers, Farm Products	\$14.39	\$27.90	\$18.99	\$23.80	\$38.71
13-1023	Purchasing Agents, Except Wholesale, Retail, and Farm Products	\$17.68	\$25.83	\$19.64	\$25.11	\$31.59
11-3061	Purchasing Managers	\$17.50	\$31.66	\$20.21	\$29.91	\$40.36
27-4013	Radio Operators	\$7.04	\$14.24	\$7.94	\$12.34	\$20.07
29-2034	Radiologic Technologists and Technicians	\$20.84	\$26.82	\$23.11	\$28.00	\$31.86
41-9021	Real Estate Brokers	\$18.51	(3)	\$27.51	>\$70.00	>\$70.00
41-9022	Real Estate Sales Agents	\$7.17	\$20.09	\$7.33	\$12.57	\$28.10
43-4171	Receptionists and Information Clerks	\$8.99	\$13.28	\$10.34	\$13.32	\$16.12
25-1193	Recreation and Fitness Studies Teachers, Postsecondary	(2)	(2)	(2)	(2)	(2)
39-9032	Recreation Workers	\$8.12	\$12.08	\$8.95	\$11.31	\$14.73
49-3092	Recreational Vehicle Service Technicians	\$10.95	\$13.42	\$11.79	\$13.50	\$15.48
53-7081	Refuse and Recyclable Material Collectors	\$12.01	\$19.87	\$16.82	\$21.43	\$25.03
29-1111	Registered Nurses	\$25.66	\$32.39	\$28.30	\$32.69	\$37.46
21-1015	Rehabilitation Counselors	\$9.05	\$15.13	\$10.10	\$14.45	\$18.56
39-9041	Residential Advisors	\$8.79	\$14.68	\$9.97	\$13.51	\$16.64
29-1126	Respiratory Therapists	\$19.06	\$24.31	\$20.47	\$24.11	\$27.99
41-2031	Retail Salespersons	\$7.61	\$12.35	\$8.24	\$10.00	\$13.20
49-9096	Riggers	\$18.89	\$22.31	\$19.85	\$22.11	\$25.59
47-2181	Roofers	\$12.55	\$20.82	\$14.30	\$21.93	\$26.74
41-0000	Sales and Related Occupations	\$8.41	\$20.65	\$9.39	\$13.83	\$24.96



SOC Code	Occupational Title	Entry-Level Hourly Wage (1)	Mean Hourly Wage	25th Percentile Hourly Wage	50th Percentile (Median) Hourly Wage	75th Percentile Hourly Wage
41-9031	Sales Engineers	\$24.73	\$39.60	\$28.73	\$37.41	\$51.07
11-2022	Sales Managers	\$26.23	\$44.63	\$30.95	\$42.10	\$59.61
41-3099	Sales Representatives, Services, All Other	\$15.92	\$25.56	\$18.63	\$22.41	\$31.78
41-4012	Sales Representatives, Wholesale and Manufacturing, Except Technical and Scientific Products	\$13.74	\$27.04	\$16.32	\$24.18	\$34.71
41-4011	Sales Representatives, Wholesale and Manufacturing, Technical and Scientific Products	\$22.04	\$42.65	\$29.07	\$47.36	\$54.16
51-7041	Sawing Machine Setters, Operators, and Tenders, Wood	\$10.37	\$13.62	\$11.44	\$13.97	\$16.03
25-2031	Secondary School Teachers, Except Special and Vocational Education	(2)	(2)	(2)	(2)	(2)
43-6014	Secretaries, Except Legal, Medical, and Executive	\$11.80	\$17.20	\$13.74	\$16.99	\$20.73
41-3031	Securities, Commodities, and Financial Services Sales Agents	\$21.52	(3)	\$25.79	\$44.71	>\$70.00
49-2098	Security and Fire Alarm Systems Installers	\$17.89	\$26.98	\$23.84	\$26.87	\$29.92
33-9032	Security Guards	\$8.89	\$11.82	\$9.78	\$11.73	\$13.39
25-3021	Self-Enrichment Education Teachers	\$10.47	\$18.02	\$12.73	\$16.93	\$21.63
51-9012	Separating, Filtering, Clarifying, Precipitating, and Still Machine Setters, Operators, and	\$12.05	\$24.45	\$13.88	\$28.55	\$32.78
53-6031	Service Station Attendants	\$8.04	\$9.88	\$8.38	\$9.39	\$10.66
27-1027	Set and Exhibit Designers	\$13.51	\$26.46	\$16.08	\$27.70	\$35.83
51-6051	Sewers, Hand	\$6.84	\$9.41	\$7.39	\$9.16	\$10.66
51-6031	Sewing Machine Operators	\$6.75*	\$8.48	\$6.75*	\$7.01	\$8.66
39-5093	Shampooers	\$6.75*	\$7.59	\$6.75*	\$6.95	\$9.41
47-2211	Sheet Metal Workers	\$15.91	\$27.06	\$19.25	\$26.63	\$35.40

SOC Code	Occupational Title	Entry-Level Hourly Wage (1)	Mean Hourly Wage	25th Percentile Hourly Wage	50th Percentile (Median) Hourly Wage	75th Percentile Hourly Wage
43-5071	Shipping, Receiving, and Traffic Clerks	\$9.34	\$14.09	\$10.43	\$13.59	\$17.18
51-6041	Shoe and Leather Workers and Repairers	\$8.52	\$16.46	\$9.42	\$11.08	\$25.09
39-5094	Skin Care Specialists	\$9.03	\$16.49	\$10.55	\$14.53	\$21.28
39-1012	Slot Key Persons	\$7.73	\$18.51	\$8.39	\$17.74	\$28.42
11-9151	Social and Community Service Managers	\$16.95	\$25.42	\$19.10	\$24.27	\$29.30
21-1093	Social and Human Service Assistants	\$10.01	\$14.58	\$11.03	\$13.29	\$17.20
25-1067	Sociology Teachers, Postsecondary	(2)	(2)	(2)	(2)	(2)
27-4014	Sound Engineering Technicians	\$12.70	\$26.62	\$14.75	\$25.26	\$35.26
25-2042	Special Education Teachers, Middle School	(2)	(2)	(2)	(2)	(2)
25-2041	Special Education Teachers, Preschool, Kindergarten, and Elementary School	(2)	(2)	(2)	(2)	(2)
25-2043	Special Education Teachers, Secondary School	(2)	(2)	(2)	(2)	(2)
29-1127	Speech-Language Pathologists	\$21.73	\$28.79	\$24.88	\$29.79	\$34.02
43-9111	Statistical Assistants	\$15.74	\$21.63	\$16.76	\$19.64	\$26.55
15-2041	Statisticians	\$29.70	\$37.57	\$31.38	\$36.09	\$42.02
43-5081	Stock Clerks and Order Fillers	\$8.42	\$13.26	\$9.40	\$12.65	\$17.47
47-2022	Stonemasons	\$17.97	\$23.69	\$22.57	\$25.80	\$27.95
51-2041	Structural Metal Fabricators and Fitters	\$11.12	\$16.15	\$12.42	\$15.76	\$19.65
21-1011	Substance Abuse and Behavioral Disorder Counselors	\$11.65	\$14.67	\$12.52	\$14.22	\$16.45
29-2055	Surgical Technologists	\$14.36	\$19.00	\$15.76	\$19.07	\$22.04
19-3022	Survey Researchers	\$8.01	\$13.84	\$8.37	\$10.03	\$18.71

SOC Code	Occupational Title	Entry-Level Hourly Wage (1)	Mean Hourly Wage	25th Percentile Hourly Wage	50th Percentile (Median) Hourly Wage	75th Percentile Hourly Wage
17-3031	Surveying and Mapping Technicians	\$19.76	\$29.93	\$22.15	\$27.64	\$33.92
17-1022	Surveyors	\$18.27	\$26.92	\$21.37	\$28.03	\$33.18
43-2011	Switchboard Operators, Including Answering Service	\$11.29	\$15.08	\$12.67	\$14.89	\$17.18
51-6052	Tailors, Dressmakers, and Custom Sewers	\$7.68	\$14.52	\$9.46	\$13.65	\$17.31
47-2082	Tapers	\$16.93	\$26.20	\$20.00	\$29.38	\$32.64
13-2081	Tax Examiners, Collectors, and Revenue Agents	\$21.42	\$30.30	\$24.20	\$30.66	\$37.55
13-2082	Tax Preparers	\$7.92	\$26.65	\$8.74	\$24.69	\$37.45
53-3041	Taxi Drivers and Chauffeurs	\$8.52	\$12.90	\$9.16	\$11.42	\$15.04
25-9041	Teacher Assistants	(2)	(2)	(2)	(2)	(2)
51-2092	Team Assemblers	\$7.89	\$11.56	\$8.44	\$10.44	\$13.86
27-3042	Technical Writers	\$24.63	\$36.42	\$28.91	\$34.63	\$43.05
49-9052	Telecommunications Line Installers and Repairers	\$14.62	\$21.38	\$16.88	\$22.46	\$26.30
41-9041	Telemarketers	\$7.11	\$12.18	\$7.59	\$9.60	\$13.83
43-3071	Tellers	\$9.04	\$11.51	\$9.61	\$11.28	\$13.13
51-6061	Textile Bleaching and Dyeing Machine Operators and Tenders	\$7.41	\$9.00	\$7.48	\$8.33	\$9.90
51-6062	Textile Cutting Machine Setters, Operators, and Tenders	\$7.61	\$10.40	\$8.15	\$9.86	\$11.49
51-6099	Textile, Apparel, and Furnishings Workers, All Other	\$6.91	\$10.18	\$7.09	\$8.59	\$13.19
47-2044	Tile and Marble Setters	\$13.96	\$19.20	\$14.52	\$16.92	\$23.36
49-3093	Tire Repairers and Changers	\$10.24	\$12.93	\$10.99	\$12.49	\$14.52
23-2093	Title Examiners, Abstractors, and Searchers	\$15.55	\$26.06	\$17.92	\$23.64	\$31.53



SOC Code	Occupational Title	Entry-Level Hourly Wage (1)	Mean Hourly Wage	25th Percentile Hourly Wage	50th Percentile (Median) Hourly Wage	75th Percentile Hourly Wage
51-4111	Tool and Die Makers	\$15.25	\$21.94	\$16.68	\$21.67	\$27.11
51-4194	Tool Grinders, Filers, and Sharpeners	\$10.13	\$10.99	\$9.93	\$10.83	\$12.08
39-6021	Tour Guides and Escorts	\$6.93	\$12.33	\$7.19	\$10.87	\$14.46
13-1073	Training and Development Specialists	\$16.96	\$27.34	\$19.55	\$25.92	\$34.01
53-0000	Transportation and Material Moving Occupations	\$8.32	\$15.60	\$9.24	\$12.46	\$17.44
39-6032	Transportation Attendants, Except Flight Attendants and Baggage Porters	\$7.39	\$13.57	\$8.51	\$13.03	\$19.45
11-3071	Transportation, Storage, and Distribution Managers	\$21.04	\$31.51	\$23.47	\$29.95	\$38.16
41-3041	Travel Agents	\$10.08	\$16.73	\$11.94	\$15.54	\$19.95
39-6022	Travel Guides	\$11.18	\$14.61	\$11.78	\$13.63	\$16.64
37-3013	Tree Trimmers and Pruners	\$14.30	\$15.88	\$14.46	\$15.68	\$16.98
53-3032	Truck Drivers, Heavy and Tractor-Trailer	\$14.27	\$18.79	\$15.95	\$19.19	\$21.72
53-3033	Truck Drivers, Light or Delivery Services	\$9.14	\$13.45	\$10.29	\$12.98	\$15.78
51-6093	Upholsterers	\$12.82	\$18.21	\$15.03	\$19.15	\$21.41
39-3031	Ushers, Lobby Attendants, and Ticket Takers	\$7.45	\$10.78	\$7.54	\$8.41	\$13.20
29-1131	Veterinarians	\$25.47	\$42.68	\$29.29	\$35.88	\$58.46
31-9096	Veterinary Assistants and Laboratory Animal Caretakers	\$8.46	\$12.92	\$9.15	\$12.95	\$16.15
29-2056	Veterinary Technologists and Technicians	\$11.24	\$14.58	\$11.97	\$14.55	\$17.03
25-1194	Vocational Education Teachers, Postsecondary	\$16.64	\$28.44	\$18.42	\$23.71	\$38.50
25-2032	Vocational Education Teachers, Secondary School	(2)	(2)	(2)	(2)	(2)
35-3031	Waiters and Waitresses	\$6.75*	\$8.72	\$6.75*	\$7.41	\$8.65

SOC Code	Occupational Title	Entry-Level Hourly Wage (1)	Mean Hourly Wage	25th Percentile Hourly Wage	50th Percentile (Median) Hourly Wage	75th Percentile Hourly Wage
49-9064	Watch Repairers	\$7.89	\$11.23	\$8.40	\$9.82	\$14.57
51-8031	Water and Liquid Waste Treatment Plant and System Operators	\$17.82	\$24.18	\$19.55	\$24.24	\$28.67
51-4121	Welders, Cutters, Solderers, and Brazers	\$9.67	\$16.95	\$10.84	\$13.79	\$21.83
51-4122	Welding, Soldering, and Brazing Machine Setters, Operators, and Tenders	\$13.75	\$21.70	\$15.58	\$19.79	\$30.02
13-1022	Wholesale and Retail Buyers, Except Farm Products	\$14.69	\$24.99	\$16.85	\$22.36	\$29.96
51-7099	Woodworkers, All Other	\$8.08	\$10.17	\$7.73	\$8.29	\$8.85
51-7042	Woodworking Machine Setters, Operators, and Tenders, Except Sawing	\$6.83	\$11.05	\$7.57	\$11.28	\$13.58
43-9022	Word Processors and Typists	\$14.46	\$20.32	\$16.47	\$20.35	\$24.27
27-3043	Writers and Authors	\$19.59	\$32.53	\$22.34	\$25.81	\$34.84
19-1023	Zoologists and Wildlife Biologists	\$12.58	\$16.89	\$13.37	\$15.37	\$17.56

#### Data

- (1) The mean of the first third of the wage distribution is provided as a proxy for entry-level wage
  - (2) For some occupations, workers may not work full-time all year-round. For these occupations it is not feasible to calculate an hourly wage.
  - (3) For occupations where a substantial portion of workers earn more than \$70.00 per hour (the top step in the 2001 OES survey), the mean hourly and annual wages cannot be reliably calculated.  
This may occasionally apply to the entry-level wage as well.
  - (4) An estimate of employment could not be provided.
  - (5) The "Mean Relative Standard Error" is a measure of the relative precision of the wage estimate. A low number denotes relatively high validity.
- \* The survey reference date was in the fourth quarter of 2001, when the California minimum wage was \$6.25 per hour. Since these wages were updated to 2002, and the minimum wage changed to \$6.75 per hour on January 1, 2002, wages below \$6.75 were set to \$6.75 per hour.

**Source:** Employment Development Department  
Labor Market Information Division  
(916) 262-2162





# *Projections & Planning Information*

## **Module F:**

# **Social & Economic Data**



# Table of Contents

PAGE

## **Module F: Social / Economic Data**

Introduction.....	
Public Assistance Recipients by Program.....	F-1
Public Assistance Recipients by Program (CalWORKs) Characteristics of Recipients, 16 Years and Older.....	F-2
Occupations with the Greatest Absolute Job Growth.....	F-3
Lower Living Standard Income Levels and Poverty Guidelines.....	F-4
Planning Information for Local Workforce Investment Areas, Selected Characteristics by Age.....	F-7
Profile of General Demographic Characteristics.....	
Explanation of Terms and Concepts.....	F-9

## **Other Labor Market Information**

Nondiscrimination Information.....	F-11
------------------------------------	------





# Introduction To Social And Economic Data Tables

The data for the Social and Economic Data Tables were developed from a variety of sources to aid local organizations in identifying target group needs and in making appropriate resource allocations for employment and training activities.

Terms expressed in these tables are those commonly used by the U.S. Department of Commerce, the Bureau of the Census and the various state agencies which supplied the data. (The specified source of the data is noted at the bottom of each table.) To aid users of this publication, these terms are defined in the *Explanation of Terms and Concepts* section at the back of this packet.

## Automated Access

Electronic access to current data is available through the Employment Development Department's Internet address at:

**[www.calmis.ca.gov](http://www.calmis.ca.gov)**

For technical assistance or additional information about the Employment Development Department's Labor Market Information Division Internet website, please call (916) 262-2162 or FAX (916) 262-2443 to order other publications.





**TABLE 1**  
**PUBLIC ASSISTANCE RECIPIENTS BY PROGRAM**  
**2000 - 2002**  
**MARIN COUNTY**

Recipients by Program	July			CALIFORNIA
	2000	2001	2002	July 2002
California Work Opportunity and Responsibility To Kids (CalWORKs) (a) . . . . .	1,932	1,559	1,777	1,331,704
Adults . . . . .	512	388	440	297,063
Children . . . . .	1,420	1,171	1,337	1,034,641
Food Stamps (b) . . . . .	2,548	1,907	2,372	1,529,445
General Relief (c) . . . . .	178	209	225	95,718
Refugee Cash Assistance (d) . . . . .	10	20	0	1,362
Welfare to Work (e) . . . . .	505	329	302	266,670

Source: California Department of Social Services

To access detailed reports for county comparisons, visit the California Department of Social Services Internet address at: <http://www.dss.cahwnet.gov/research>  
 CalWORKs: see report CA 237; Food Stamps: see report DFA 256;  
 General Relief: see report GR 237; Welfare to Work: see reports WTW 25 and WTW 25A.

- (a) Data include foster care children.
- (b) Includes those persons receiving public assistance payments and those not receiving public assistance payments.
- (c) General Relief data for July 2001 were not available. Data provided are for March 2001.
- (d) Refugee Cash Assistance data are for the third quarter and exclude CalWORKs recipients.
- (e) With the passage of the Federal Personal Responsibility and Work Opportunity Act of 1996 and California's subsequent implementation of the California Work Opportunity and Responsibility to Kids Act (CalWORKs), the requirement for recipients of aid to participate in work related activities increased significantly. This number represents the number of CalWORKs recipients who have been enrolled or have been sent a notice to participate in Welfare to Work activities. These individuals may be required to participate or be willing to participate in these activities.

**TABLE 2**  
**PUBLIC ASSISTANCE RECIPIENTS (CalWORKs)**  
**CHARACTERISTICS OF RECIPIENTS 16 YEARS AND OLDER**  
**2000 - 2002**  
**MARIN COUNTY**

Characteristics	July			CALIFORNIA July 2002
	2000	2001	2002	
Total Recipients 16+ (a) (b) .....	670	540	620	461,210
Male .....	130	100	120	88,310
Female .....	540	440	500	373,040
16-20 .....	140	110	130	97,300
21-44 .....	480	380	440	328,710
45-54 .....	40	30	40	28,150
55+ .....	10	10	10	7,200
White (Not Hispanic) .....	350	240	280	113,140
Black (Not Hispanic) .....	140	110	140	101,960
Hispanic .....	120	120	140	206,470
Asian & Pacific Islander .....	50	60	60	33,350
American Indian .....	0	*	*	3,290
Filipino .....	*	0	0	3,000

(CalWORKs) California Work Opportunity And Responsibility To Kids

Source: California Department of Social Services; U.S. Department of Commerce, Bureau of the Census; Detailed data by sex, age, and race/ethnicity are extrapolations based on aggregate figures provided by the Department of Social Services.

To access the detailed report for county comparisons, visit the California Department of Social Services Internet address at: <http://www.dss.cahwnet.gov/research>  
See report ABCD 350.

(a) Includes children in Two Parent, Zero Parent, All Others and Foster Care cases.

(b) Detail may not add to total due to independent rounding.

\* less than five

**TABLE 3**  
**Occupations With The Greatest Absolute Job Growth (1)**  
**1999 - 2006**  
**MARIN COUNTY**

CA OES CODE	OCCUPATION	ANNUAL AVERAGES		NUMBER OF NEW JOBS	PERCENT CHANGE	MEAN ANNUAL WAGE	MEDIAN HOURLY WAGE (3)
		1999(2)	2006				
49011	SALESPERSONS, RETAIL	4,850	5,300	450	9.3	\$25,681	\$10.00
19005	GENERAL MANAGERS, TOP EXECUTIVES	3,720	4,060	340	9.1	(4)	(4)
49023	CASHIERS	2,900	3,240	340	11.7	\$22,680	\$9.81
22127	COMPUTER ENGINEERS	890	1,180	290	32.6	\$82,110	\$37.67
65008	WAITERS AND WAITRESSES	2,130	2,410	280	13.1	\$18,131	\$7.41
55347	GENERAL OFFICE CLERKS	3,070	3,330	260	8.5	\$27,998	\$13.36
25102	SYSTEMS ANALYSTS--ELEC DATA PROC	710	960	250	35.2	\$75,766	\$35.58
87102	CARPENTERS	1,370	1,610	240	17.5	\$55,374	\$27.60
31305	TEACHERS--ELEMENTARY SCHOOL	2,030	2,240	210	10.3	\$45,897	(5)
25104	COMPUTER SUPPORT SPECIALISTS	530	730	200	37.7	\$59,297	\$27.52
31521	TEACHER AIDES, PARAPROFESSIONAL	740	930	190	25.7	(6)	(6)
41002	FIRST-LINE SUP/MGR--SALES	1,780	1,970	190	10.7	(7)	(7)
79041	LABORERS, LANDSCAPING/GROUNDSKEE	1,490	1,680	190	12.8	\$27,042	\$12.02
65041	COMBINED FOOD PREP AND SERVICE	1,580	1,760	180	11.4	\$19,104	\$8.54
87402	PAINTERS, PAPERHANGERS--CONST	750	930	180	24.0	(8)	(8)
97105	TRUCK DRIVERS, LIGHT	990	1,160	170	17.2	\$27,972	\$12.98
65026	COOKS--RESTAURANT	1,010	1,170	160	15.8	\$27,241	\$11.22
31308	TEACHERS--SECONDARY SCHOOL	780	920	140	17.9	\$51,485	(5)
34056	PRODUCERS, DIRECTORS, ACTORS	730	870	140	19.2	(9)	(9)
32502	REGISTERED NURSES	1,400	1,530	130	9.3	\$67,370	\$32.69

Source: Employment Development Department, Labor Market Information Division,  
Information Services Group and Occupational Employment Statistics Group

(1) Occupational Projections and OES Wages available online at [www.calmis.ca.gov](http://www.calmis.ca.gov)

(2) March 2001 Benchmark

(3) Median Hourly Wage is for the San Francisco Metropolitan Statistical Area (MSA), which includes  
Marin, San Francisco, and San Mateo Counties.

(4) General Managers, Top Executives - Include the following Occupations:

Chief Executives, SOC Code 11-1011, Mean Annual Wage See (4a) - Median Hourly Wage >\$70.00;

Farm, Ranch and Other Agricultural Managers, SOC Code 11-9011, Mean Annual Wage \$59,577 - Median Hourly Wage \$28.30;

Sales Managers, SOC Code 11-2022, Mean Annual Wage \$92,837 - Median Hourly Wage \$42.10;

Gaming Managers, SOC Code 11-9071, Mean Annual Wage \$79,733 - Median Hourly Wage \$35.15

(4a) For occupations where a substantial portion of workers earn more than \$70.00 per hour (the top step in the 2001 OES survey),  
the mean hourly and annual wages cannot be reliably calculated. This may occasionally apply to the entry-level wage as well.

(5) For some occupations, workers may not work full-time all year-round. For these occupations it is not  
feasible to calculate an hourly wage.

(6) Teacher Aides, Paraprofessional - Include the following Occupations:

Teacher Assistants, SOC Code 25-9041, Mean Annual Wage \$25,147 - Median Hourly Wage See (5)

Education, Training, and Library Workers, All Other, SOC Code 25-9199, Mean Annual Wage \$37,858 - Median Hourly Wage \$16.56

(7) First Line Supervisor / Manager Sales - Includes the following Occupations:

First-Line Supervisors / Managers of Retail Sales Workers, SOC 41-1011, Mean Annual Wage \$41,687 - Median Hourly Wage \$17.58;

First-Line Supervisors / Managers of Non-Retail Sales Workers, SOC 41-1012, Mean Annual Wage \$69,946 - Median Hourly Wage \$28.85

(8) Painters, Paperhangers, Construction - Are separated into the following:

Painters, Construction and Maintenance, SOC 47-2141, Mean Annual Wage \$42,217 - Median Hourly Wage \$18.48;

Paperhangers, SOC 47-2142, Mean Annual Wage \$53,405 - Median Hourly Wage \$26.48

(9) Producers, Directors, Actors - Are separated into the following:

Producers and Directors, SOC 27-2012, Mean Annual Wage \$76,873 - Median Hourly Wage See (5)

Actors, SOC 27-2011, Mean Annual Wage \$61,568 - Median Hourly Wage See (5)



**TABLE 4**  
**LOWER LIVING STANDARD INCOME LEVEL (LLSIL)**  
**AND POVERTY GUIDELINES**  
**2002**

**Table 1 — San Diego Metropolitan Statistical Area**

<b>San Diego</b>							
	Family Size						
	One Member	Two Member	Three Member	Four Member	Five Member	Six Member	Each Additional Member Add
<b>70% LLSIL (a)</b>							
Annual	\$8,450	\$13,850	\$19,010	\$23,460	\$27,690	\$32,380	\$4,690
6 Months	\$4,225	\$6,925	\$9,505	\$11,730	\$13,845	\$16,190	\$2,345
100%	\$12,070	\$19,780	\$27,150	\$33,510	\$39,550	\$46,250	\$6,700
<b>Poverty Guidelines (a)</b>							
Annual	\$8,860	\$11,940	\$15,020	\$18,100	\$21,180	\$24,260	\$3,080
6 Months	\$4,430	\$5,970	\$7,510	\$9,050	\$10,590	\$12,130	\$1,540

**Table 2 — Los Angeles/Riverside/Orange County Metropolitan Statistical Area**

Anaheim		Los Angeles County				San Bernardino County	
Carson/Lomita/Torrance		Orange County				SELACO	
Foothill		Riverside County				South Bay	
Long Beach		Santa Ana				Ventura	
Los Angeles City		San Bernardino City				Verdugo	
	Family Size						
	One Member	Two Member	Three Member	Four Member	Five Member	Six Member	Each Additional Member Add
70% LLSIL (a)							
Annual	\$7,900	\$12,940	\$17,770	\$21,930	\$25,880	\$30,270	\$4,390
6 Months	\$3,950	\$6,470	\$8,885	\$10,965	\$12,940	\$15,135	\$2,195
100%	\$11,280	\$18,490	\$25,380	\$31,330	\$36,970	\$43,240	\$6,270
Poverty Guidelines (a)							
Annual	\$8,860	\$11,940	\$15,020	\$18,100	\$21,180	\$24,260	\$3,080
6 Months	\$4,430	\$5,970	\$7,510	\$9,050	\$10,590	\$12,130	\$1,540

**TABLE 4**  
**LOWER LIVING STANDARD INCOME LEVEL (LLSIL)**  
**AND POVERTY GUIDELINES**  
**2002**

**Table 3 — San Francisco/Oakland/San Jose Metropolitan Statistical Area**

<b>Alameda</b>	<b>Oakland</b>						<b>Santa Cruz</b>
<b>Contra Costa</b>	<b>Richmond</b>						<b>Solano</b>
<b>Marin</b>	<b>San Francisco</b>						<b>Sonoma</b>
<b>Napa</b>	<b>San Jose</b>						
<b>NOVA</b>	<b>San Mateo</b>						
	Family Size						
	One Member	Two Member	Three Member	Four Member	Five Member	Six Member	Each Additional Member Add
<b>70% LLSIL (a)</b>							
Annual	\$8,570	\$14,040	\$19,270	\$23,790	\$28,080	\$32,840	\$4,760
6 Months	\$4,285	\$7,020	\$9,635	\$11,895	\$14,040	\$16,420	\$2,380
100%	\$12,240	\$20,060	\$27,540	\$33,990	\$40,110	\$46,910	\$6,800
<b>Poverty Guidelines (a)</b>							
Annual	\$8,860	\$11,940	\$15,020	\$18,100	\$21,180	\$24,260	\$3,080
6 Months	\$4,430	\$5,970	\$7,510	\$9,050	\$10,590	\$12,130	\$1,540

**Table 4 — Other Metropolitan Areas**

<b>Fresno</b>	<b>NoRTEC</b>						<b>Stanislaus</b>
<b>Golden Sierra</b>	<b>North Central</b>						<b>Tulare</b>
<b>Kern/Inyo/Mono</b>	<b>Sacramento</b>						<b>Yolo</b>
<b>Merced</b>	<b>San Joaquin</b>						
<b>Monterey</b>	<b>Santa Barbara</b>						
	Family Size						
	One Member	Two Member	Three Member	Four Member	Five Member	Six Member	Each Additional Member Add
<b>70% LLSIL (a)</b>							
Annual	\$7,820	\$12,810	\$17,580	\$21,700	\$25,610	\$29,950	\$4,340
6 Months	\$3,910	\$6,405	\$8,790	\$10,850	\$12,805	\$14,975	\$2,170
100%	\$11,160	\$18,290	\$25,110	\$30,990	\$36,570	\$42,770	\$6,200
<b>Poverty Guidelines (a)</b>							
Annual	\$8,860	\$11,940	\$15,020	\$18,100	\$21,180	\$24,260	\$3,080
6 Months	\$4,430	\$5,970	\$7,510	\$9,050	\$10,590	\$12,130	\$1,540



**TABLE 4**  
**LOWER LIVING STANDARD INCOME LEVEL (LLSIL)**  
**AND POVERTY GUIDELINES**  
**2002**

**Table 5 — Nonmetropolitan Areas**

<b>Humboldt</b>	<b>Mother Lode</b>						
<b>Imperial</b>	<b>San Benito</b>						
<b>Kings</b>	<b>San Luis Obispo</b>						
<b>Madera</b>							
<b>Mendocino</b>							
	Family Size						
	One Member	Two Member	Three Member	Four Member	Five Member	Six Member	Each Additional Member Add
<b>70% LLSIL (a)</b>							
Annual	\$7,560	\$12,390	\$17,010	\$20,990	\$24,770	\$28,970	\$4,200
6 Months	\$3,780	\$6,195	\$8,505	\$10,495	\$12,385	\$14,485	\$2,100
100%	\$10,800	\$17,690	\$24,290	\$29,980	\$35,380	\$41,380	\$6,000
<b>Poverty Guidelines (a)</b>							
Annual	\$8,860	\$11,940	\$15,020	\$18,100	\$21,180	\$24,260	\$3,080
6 Months	\$4,430	\$5,970	\$7,510	\$9,050	\$10,590	\$12,130	\$1,540

Source: State of California, Workforce Investment Division, Workforce Investment Act Directive, Number: WIAD01-18, Dated June 11, 2002.

(a) Tables 1 through 5 show the 70 percent LLSIL and the poverty guidelines for western metropolitan and nonmetropolitan areas, and for three specific Metropolitan Statistical Areas in California. In addition, each LLSIL table includes the 100 percent LLSIL that establishes the Department of Labor's minimum self-sufficiency levels. Each table specifies which areas encompass which Local Workforce Investment Area (LWIA). For a family of one, in all tables, the poverty guidelines exceed the 70 percent LLSIL and, therefore, should be used to establish the low-income status. For all other family sizes, the LLSILs exceed the poverty guidelines. The last column in each table shows the amount to be added to the figure for a family of six for each additional family member.



**TABLE 5**  
**WORKFORCE INVESTMENT ACT**  
**PLANNING INFORMATION FOR LOCAL WORKFORCE INVESTMENT AREAS**  
**SELECTED CHARACTERISTICS BY AGE**

LWIA NAME: MARIN COUNTY  
 JURISDICTIONS INCLUDED: MARIN COUNTY

**JANUARY 10, 2003**

**CHARACTERISTICS OF VARIOUS POTENTIAL CLIENT GROUPS**

LABOR FORCE STATUS (1)	
EMPLOYED	131,184
UNEMPLOYED	5,013
UNEMPLOYMENT RATE	3.7
NOT IN LABOR FORCE (2)	69,284
2002 VETERAN INFORMATION	
TOTAL VETERANS (3)	20,366
MALE	19,055
FEMALE	1,311
VIETNAM ERA VETERANS - CENSUS 2000 (4)	6,758
DISABLED VETERANS (5)	1,383
OFFENDERS (6)	3,369
% OF PEOPLE IN POVERTY: MARIN COUNTY, 1998 (7)	6.6

**1990 CENSUS (8)**

FAMILIES IN POVERTY AS A % OF ALL FAMILIES 3.0

**CHARACTERISTICS OF ECONOMICALLY DISADVANTAGED PERSONS 14 TO 72 YEARS OLD (9)**

	14 - 15 (10)		16 - 21		22 - 54		55 - 72		Total 16 - 72	
	NUMBER	%	NUMBER	%	NUMBER	%	NUMBER	%	NUMBER	%
TOTAL ECONOMIC DISADVANTAGED	380	100.0	1,644	100.0	10,474	100.0	2,039	100.0	14,157	100.0
BY RACE:										
WHITE NOT HISPANIC	197	51.7	935	56.9	6,926	66.1	1,610	79.0	9,471	66.9
BLACK NOT HISPANIC	88	17.9	41	2.5	377	3.6	212	10.4	630	4.5
AMERICAN INDIAN NOT HISP	0	0	20	1.2	21	0.2	64	3.2	105	0.7
ASIAN NOT HISPANIC	29	7.5	166	10.1	691	6.6	44	2.1	901	6.4
PACIFIC ISLAND NOT HISP	0	0	0	0	50	0.5	0	0	50	0.4
HISPANIC	87	22.9	482	29.3	2,410	23.0	108	5.3	3,000	21.2
BY SEX:										
MALE	151	39.8	879	53.5	4,682	44.7	809	39.7	6,370	45.0
FEMALE	229	60.2	765	46.5	5,792	55.3	1,230	60.3	7,787	55.0
HIGH SCHOOL EXPERIENCE:										
DROPOUTS	0	0	411	25.0	2,672	25.5	578	28.4	3,661	25.9
GRADUATES	0	0	148	9.0	4,932	47.1	1,042	51.1	6,122	43.2
STUDENTS	270	71.2	517	31.4	119	1.1	0	0	636	4.5
DISABLED	0	0	48	2.9	1,344	12.8	622	30.5	2,014	14.2
LIMITED ENGLISH PROF	0	0	284	17.3	1,723	16.5	108	5.3	2,115	14.9

**TABLE 5**  
**WORKFORCE INVESTMENT ACT**  
**PLANNING INFORMATION FOR LOCAL WORKFORCE INVESTMENT AREAS**  
**SELECTED CHARACTERISTICS BY AGE**

Footnotes and data sources:

Source: Employment Development Department, Labor Market Information Division,  
Current Economic Statistics Group.

Note: Data provided are the most recent available.

- (1) Labor force in this category refers to civilian labor force (16 years and older). This category includes, but is not limited to, the economically disadvantaged. Labor Force data are based on preliminary data (monthly average) for the period 12/2001 through 11/2002. March 2001 Benchmark.
- (2) Not in labor force (16 years and older) are those who are not employed and not actively seeking employment. This category includes, but is not limited to, the economically disadvantaged. Not in labor force data are based on preliminary labor force data (12/01 - 11/02), Department of Finance populations estimates as of 1/02 and working age populations from 1990 census data.
- (3) Department of Veterans Affairs, Office of the Actuary, Estimated Veteran Totals, September 30, 2002, Washington, D.C.
- (4) U.S. Census Bureau, Census 2000, American FactFinder.
- (5) Department of Veterans Affairs, Statistics for Veterans Receiving Compensation and Pension Benefits, February 14, 2002, Washington, D.C.
- (6) 2001 Criminal Justice Profile, California Department of Justice.
- (7) U.S. Census Bureau. County Estimates for People of All Ages in Poverty by County: California 1998 (Estimates model 1998 income reported in the March 1999 Current Population Survey.)
- (8) Based on poverty data from the 1990 census. The 2000 census data will not be available until 2005. The economically disadvantaged population was provided by the Employment and Training Administration from a custom tabulation provided by the United States Bureau of Census.
- (9) Data for each characteristic in this section were derived by an independent estimating process using census summary data and census public use micro sample. Totals may not match other data from the same sources.
- (10) Data are not included in **Total 16 - 72** column.

**Table DP-1. Profile of General Demographic Characteristics: 2000**

Geographic Area: Marin County, California

[For information on confidentiality protection, nonsampling error, and definitions, see text]

Subject	Number	Percent	Subject	Number	Percent
<b>Total population</b> .....	<b>247,289</b>	<b>100.0</b>	<b>HISPANIC OR LATINO AND RACE</b>		
<b>SEX AND AGE</b>			<b>Total population</b> .....	<b>247,289</b>	<b>100.0</b>
Male .....	122,552	49.6	Hispanic or Latino (of any race) .....	27,351	11.1
Female .....	124,737	50.4	Mexican .....	14,202	5.7
Under 5 years .....	13,396	5.4	Puerto Rican .....	539	0.2
5 to 9 years .....	14,338	5.8	Cuban .....	293	0.1
10 to 14 years .....	14,356	5.8	Other Hispanic or Latino .....	12,317	5.0
15 to 19 years .....	12,077	4.9	Not Hispanic or Latino .....	219,938	88.9
20 to 24 years .....	9,633	3.9	White alone .....	194,254	78.6
25 to 34 years .....	32,015	12.9	<b>RELATIONSHIP</b>		
35 to 44 years .....	44,586	18.0	<b>Total population</b> .....	<b>247,289</b>	<b>100.0</b>
45 to 54 years .....	45,592	18.4	In households .....	235,803	95.4
55 to 59 years .....	16,649	6.7	Householder .....	100,650	40.7
60 to 64 years .....	11,215	4.5	Spouse .....	48,709	19.7
65 to 74 years .....	16,791	6.8	Child .....	58,099	23.5
75 to 84 years .....	12,060	4.9	Own child under 18 years .....	46,751	18.9
85 years and over .....	4,581	1.9	Other relatives .....	8,500	3.4
Median age (years) .....	41.3	(X)	Under 18 years .....	1,979	0.8
18 years and over .....	197,104	79.7	Nonrelatives .....	19,845	8.0
Male .....	96,725	39.1	Unmarried partner .....	6,196	2.5
Female .....	100,379	40.6	In group quarters .....	11,486	4.6
21 years and over .....	191,291	77.4	Institutionalized population .....	8,467	3.4
62 years and over .....	39,586	16.0	Noninstitutionalized population .....	3,019	1.2
65 years and over .....	33,432	13.5	<b>HOUSEHOLD BY TYPE</b>		
Male .....	14,099	5.7	<b>Total households</b> .....	<b>100,650</b>	<b>100.0</b>
Female .....	19,333	7.8	Family households (families) .....	60,679	60.3
<b>RACE</b>			With own children under 18 years .....	27,662	27.5
One race .....	238,710	96.5	Married-couple family .....	48,709	48.4
White .....	207,800	84.0	With own children under 18 years .....	21,038	20.9
Black or African American .....	7,142	2.9	Female householder, no husband present .....	8,580	8.5
American Indian and Alaska Native .....	1,061	0.4	With own children under 18 years .....	4,922	4.9
Asian .....	11,203	4.5	Nonfamily households .....	39,971	39.7
Asian Indian .....	1,330	0.5	Householder living alone .....	30,041	29.8
Chinese .....	3,523	1.4	Householder 65 years and over .....	9,613	9.6
Filipino .....	1,389	0.6	Households with individuals under 18 years .....	29,130	28.9
Japanese .....	1,687	0.7	Households with individuals 65 years and over .....	23,614	23.5
Korean .....	1,061	0.4	Average household size .....	2.34	(X)
Vietnamese .....	1,257	0.5	Average family size .....	2.90	(X)
Other Asian <sup>1</sup> .....	956	0.4	<b>HOUSING OCCUPANCY</b>		
Native Hawaiian and Other Pacific Islander .....	388	0.2	<b>Total housing units</b> .....	<b>104,990</b>	<b>100.0</b>
Native Hawaiian .....	104	-	Occupied housing units .....	100,650	95.9
Guamanian or Chamorro .....	60	-	Vacant housing units .....	4,340	4.1
Samoan .....	57	-	For seasonal, recreational, or		
Other Pacific Islander <sup>2</sup> .....	167	0.1	occasional use .....	1,902	1.8
Some other race .....	11,116	4.5	Homeowner vacancy rate (percent) .....	0.7	(X)
Two or more races .....	8,579	3.5	Rental vacancy rate (percent) .....	2.2	(X)
<b>Race alone or in combination with one</b>			<b>HOUSING TENURE</b>		
<b>or more other races:</b> <sup>3</sup>			<b>Occupied housing units</b> .....	<b>100,650</b>	<b>100.0</b>
White .....	215,479	87.1	Owner-occupied housing units .....	64,024	63.6
Black or African American .....	8,549	3.5	Renter-occupied housing units .....	36,626	36.4
American Indian and Alaska Native .....	2,684	1.1	Average household size of owner-occupied units .....	2.42	(X)
Asian .....	14,263	5.8	Average household size of renter-occupied units .....	2.21	(X)
Native Hawaiian and Other Pacific Islander .....	926	0.4			
Some other race .....	14,651	5.9			

- Represents zero or rounds to zero. (X) Not applicable.

<sup>1</sup> Other Asian alone, or two or more Asian categories.<sup>2</sup> Other Pacific Islander alone, or two or more Native Hawaiian and Other Pacific Islander categories.<sup>3</sup> In combination with one or more of the other races listed. The six numbers may add to more than the total population and the six percentages may add to more than 100 percent because individuals may report more than one race.

Source: U.S. Census Bureau, Census 2000.



**Table DP-2. Profile of Selected Social Characteristics: 2000**

Geographic area: Marin County, California

[Data based on a sample. For information on confidentiality protection, sampling error, nonsampling error, and definitions, see text]

Subject	Number	Percent	Subject	Number	Percent
<b>SCHOOL ENROLLMENT</b>			<b>NATIVITY AND PLACE OF BIRTH</b>		
Population 3 years and over enrolled in school .....	57,014	100.0	Total population .....	247,289	100.0
Nursery school, preschool .....	4,797	8.4	Native .....	206,129	83.4
Kindergarten .....	2,709	4.8	Born in United States .....	203,057	82.1
Elementary school (grades 1-8) .....	23,477	41.2	State of residence .....	119,098	48.2
High school (grades 9-12) .....	11,518	20.2	Different state .....	83,959	34.0
College or graduate school .....	14,513	25.5	Born outside United States .....	3,072	1.2
			Foreign born .....	41,160	16.6
<b>EDUCATIONAL ATTAINMENT</b>			Entered 1990 to March 2000 .....	16,173	6.5
Population 25 years and over .....	183,694	100.0	Naturalized citizen .....	17,086	6.9
Less than 9th grade .....	6,455	3.5	Not a citizen .....	24,074	9.7
9th to 12th grade, no diploma .....	9,625	5.2			
High school graduate (includes equivalency) .....	22,857	12.4	<b>REGION OF BIRTH OF FOREIGN BORN</b>		
Some college, no degree .....	39,211	21.3	Total (excluding born at sea) .....	41,160	100.0
Associate degree .....	11,298	6.2	Europe .....	11,352	27.6
Bachelor's degree .....	56,549	30.8	Asia .....	9,515	23.1
Graduate or professional degree .....	37,699	20.5	Africa .....	1,027	2.5
Percent high school graduate or higher .....	91.2	(X)	Oceania .....	691	1.7
Percent bachelor's degree or higher .....	51.3	(X)	Latin America .....	16,617	40.4
			Northern America .....	1,958	4.8
<b>MARITAL STATUS</b>			<b>LANGUAGE SPOKEN AT HOME</b>		
Population 15 years and over .....	205,366	100.0	Population 5 years and over .....	234,008	100.0
Never married .....	52,797	25.7	English only .....	188,413	80.5
Now married, except separated .....	111,431	54.3	Language other than English .....	45,595	19.5
Separated .....	3,549	1.7	Speak English less than "very well" .....	19,835	8.5
Widowed .....	12,007	5.8	Spanish .....	22,287	9.5
Female .....	9,774	4.8	Speak English less than "very well" .....	12,920	5.5
Divorced .....	25,582	12.5	Other Indo-European languages .....	15,281	6.5
Female .....	16,207	7.9	Speak English less than "very well" .....	3,665	1.6
			Asian and Pacific Island languages .....	6,754	2.9
<b>GRANDPARENTS AS CAREGIVERS</b>			Speak English less than "very well" .....	2,997	1.3
Grandparent living in household with one or more own grandchildren under 18 years .....	2,034	100.0	<b>ANCESTRY (single or multiple)</b>		
Grandparent responsible for grandchildren .....	590	29.0	Total population .....	247,289	100.0
			Total ancestries reported .....	293,804	118.8
<b>VETERAN STATUS</b>			Arab .....	1,500	0.6
Civilian population 18 years and over ..	197,041	100.0	Czech <sup>1</sup> .....	1,749	0.7
Civilian veterans .....	22,482	11.4	Danish .....	3,400	1.4
			Dutch .....	4,557	1.8
<b>DISABILITY STATUS OF THE CIVILIAN NONINSTITUTIONALIZED POPULATION</b>			English .....	35,289	14.3
Population 5 to 20 years .....	42,144	100.0	French (except Basque) <sup>1</sup> .....	10,003	4.0
With a disability .....	2,688	6.4	French Canadian <sup>1</sup> .....	1,692	0.7
Population 21 to 64 years .....	151,489	100.0	German .....	36,205	14.6
With a disability .....	22,162	14.6	Greek .....	1,790	0.7
Percent employed .....	64.1	(X)	Hungarian .....	1,915	0.8
No disability .....	129,327	85.4	Irish <sup>1</sup> .....	37,021	15.0
Percent employed .....	80.3	(X)	Italian .....	22,044	8.9
Population 65 years and over .....	31,683	100.0	Lithuanian .....	1,032	0.4
With a disability .....	9,908	31.3	Norwegian .....	5,525	2.2
<b>RESIDENCE IN 1995</b>			Polish .....	6,918	2.8
Population 5 years and over .....	234,008	100.0	Portuguese .....	2,211	0.9
Same house in 1995 .....	128,347	54.8	Russian .....	9,711	3.9
Different house in the U.S. in 1995 .....	96,089	41.1	Scotch-Irish .....	5,758	2.3
Same county .....	51,146	21.9	Scottish .....	8,860	3.6
Different county .....	44,943	19.2	Slovak .....	474	0.2
Same state .....	31,408	13.4	Subsaharan African .....	777	0.3
Different state .....	13,535	5.8	Swedish .....	6,543	2.6
Elsewhere in 1995 .....	9,572	4.1	Swiss .....	2,762	1.1
			Ukrainian .....	1,202	0.5
			United States or American .....	7,441	3.0
			Welsh .....	3,134	1.3
			West Indian (excluding Hispanic groups) .....	588	0.2
			Other ancestries .....	73,703	29.8

-Represents zero or rounds to zero. (X) Not applicable.

<sup>1</sup>The data represent a combination of two ancestries shown separately in Summary File 3. Czech includes Czechoslovakian. French includes Alsatian. French Canadian includes Acadian/Cajun. Irish includes Celtic.

Source: U.S. Bureau of the Census, Census 2000.



**Table DP-3. Profile of Selected Economic Characteristics: 2000**

Geographic area: Marin County, California

[Data based on a sample. For information on confidentiality protection, sampling error, nonsampling error, and definitions, see text]

Subject	Number	Percent	Subject	Number	Percent
<b>EMPLOYMENT STATUS</b>			<b>INCOME IN 1999</b>		
Population 16 years and over .....	202,668	100.0	Households .....	100,736	100.0
In labor force .....	133,052	65.7	Less than \$10,000 .....	4,884	4.8
Civilian labor force .....	132,805	65.5	\$10,000 to \$14,999 .....	2,927	2.9
Employed .....	128,855	63.6	\$15,000 to \$24,999 .....	6,854	6.8
Unemployed .....	3,950	1.9	\$25,000 to \$34,999 .....	7,399	7.3
Percent of civilian labor force .....	3.0	(X)	\$35,000 to \$49,999 .....	12,151	12.1
Armed Forces .....	247	0.1	\$50,000 to \$74,999 .....	18,240	18.1
Not in labor force .....	69,616	34.3	\$75,000 to \$99,999 .....	12,947	12.9
Females 16 years and over .....	103,428	100.0	\$100,000 to \$149,999 .....	16,128	16.0
In labor force .....	62,477	60.4	\$150,000 to \$199,999 .....	7,049	7.0
Civilian labor force .....	62,466	60.4	\$200,000 or more .....	12,157	12.1
Employed .....	60,822	58.8	Median household income (dollars) .....	71,306	(X)
Own children under 6 years .....	15,548	100.0	With earnings .....	83,737	83.1
All parents in family in labor force .....	8,300	53.4	Mean earnings (dollars) <sup>1</sup> .....	103,173	(X)
<b>COMMUTING TO WORK</b>			With Social Security income .....	23,674	23.5
Workers 16 years and over .....	126,646	100.0	Mean Social Security income (dollars) <sup>1</sup> .....	12,499	(X)
Car, truck, or van -- drove alone .....	82,898	65.5	With Supplemental Security Income .....	2,476	2.5
Car, truck, or van -- carpooled .....	13,597	10.7	Mean Supplemental Security Income (dollars) <sup>1</sup> .....	7,365	(X)
Public transportation (including taxicab) .....	12,797	10.1	With public assistance income .....	1,457	1.4
Walked .....	3,835	3.0	Mean public assistance income (dollars) <sup>1</sup> .....	4,443	(X)
Other means .....	2,392	1.9	With retirement income .....	16,185	16.1
Worked at home .....	11,127	8.8	Mean retirement income (dollars) <sup>1</sup> .....	25,589	(X)
Mean travel time to work (minutes) <sup>1</sup> .....	32.3	(X)	Families .....	61,329	100.0
Employed civilian population 16 years and over .....	128,855	100.0	Less than \$10,000 .....	1,549	2.5
<b>OCCUPATION</b>			\$10,000 to \$14,999 .....	1,012	1.7
Management, professional, and related occupations .....	67,674	52.5	\$15,000 to \$24,999 .....	2,926	4.8
Service occupations .....	15,446	12.0	\$25,000 to \$34,999 .....	3,720	6.1
Sales and office occupations .....	31,867	24.7	\$35,000 to \$49,999 .....	6,067	9.9
Farming, fishing, and forestry occupations .....	374	0.3	\$50,000 to \$74,999 .....	10,343	16.9
Construction, extraction, and maintenance occupations .....	7,706	6.0	\$75,000 to \$99,999 .....	8,619	14.1
Production, transportation, and material moving occupations .....	5,788	4.5	\$100,000 to \$149,999 .....	11,769	19.2
<b>INDUSTRY</b>			\$150,000 to \$199,999 .....	5,607	9.1
Agriculture, forestry, fishing and hunting, and mining .....	704	0.5	\$200,000 or more .....	9,717	15.8
Construction .....	7,857	6.1	Median family income (dollars) .....	88,934	(X)
Manufacturing .....	6,075	4.7	Per capita income (dollars) <sup>1</sup> .....	44,962	(X)
Wholesale trade .....	3,880	3.0	Median earnings (dollars): .....		
Retail trade .....	13,795	10.7	Male full-time, year-round workers .....	61,282	(X)
Transportation and warehousing, and utilities .....	3,518	2.7	Female full-time, year-round workers .....	45,448	(X)
Information .....	7,043	5.5			
Finance, insurance, real estate, and rental and leasing .....	14,879	11.5	<b>POVERTY STATUS IN 1999</b>		
Professional, scientific, management, administrative, and waste management services .....	25,884	20.1	Families .....	2,269	3.7
Educational, health and social services .....	23,831	18.5	With related children under 18 years .....	1,794	6.1
Arts, entertainment, recreation, accommodation and food services .....	10,283	8.0	With related children under 5 years .....	807	7.4
Other services (except public administration) .....	6,979	5.4	Families with female householder, no husband present .....	1,072	12.5
Public administration .....	4,127	3.2	With related children under 18 years .....	955	17.4
<b>CLASS OF WORKER</b>			With related children under 5 years .....	383	32.4
Private wage and salary workers .....	92,421	71.7	Individuals .....	15,601	6.6
Government workers .....	13,511	10.5	18 years and over .....	11,887	6.3
Self-employed workers in own not incorporated business .....	22,420	17.4	65 years and over .....	1,426	4.5
Unpaid family workers .....	503	0.4	Related children under 18 years .....	3,376	6.9
			Related children 5 to 17 years .....	2,397	6.7
			Unrelated individuals 15 years and over .....	8,447	14.2

-Represents zero or rounds to zero. (X) Not applicable.

<sup>1</sup>If the denominator of a mean value or per capita value is less than 30, then that value is calculated using a rounded aggregate in the numerator. See text.

Source: U.S. Bureau of the Census, Census 2000.



**Table DP-4. Profile of Selected Housing Characteristics: 2000**

Geographic area: Marin County, California

[Data based on a sample. For information on confidentiality protection, sampling error, nonsampling error, and definitions, see text]

Subject	Number	Percent	Subject	Number	Percent
<b>Total housing units</b> .....	<b>104,990</b>	<b>100.0</b>	<b>OCCUPANTS PER ROOM</b>		
<b>UNITS IN STRUCTURE</b>			Occupied housing units .....	<b>100,650</b>	<b>100.0</b>
1-unit, detached .....	63,666	60.6	1.00 or less .....	96,074	95.5
1-unit, attached .....	8,452	8.1	1.01 to 1.50 .....	1,874	1.9
2 units .....	4,458	4.2	1.51 or more .....	2,702	2.7
3 or 4 units .....	4,891	4.7			
5 to 9 units .....	5,893	5.6	<b>Specified owner-occupied units</b> .....	<b>55,119</b>	<b>100.0</b>
10 to 19 units .....	5,790	5.5	<b>VALUE</b>		
20 or more units .....	9,717	9.3	Less than \$50,000 .....	209	0.4
Mobile home .....	1,581	1.5	\$50,000 to \$99,999 .....	183	0.3
Boat, RV, van, etc .....	542	0.5	\$100,000 to \$149,999 .....	322	0.6
			\$150,000 to \$199,999 .....	848	1.5
<b>YEAR STRUCTURE BUILT</b>			\$200,000 to \$299,999 .....	4,547	8.2
1999 to March 2000 .....	1,286	1.2	\$300,000 to \$499,999 .....	20,597	37.4
1995 to 1998 .....	2,849	2.7	\$500,000 to \$999,999 .....	21,092	38.3
1990 to 1994 .....	3,972	3.8	\$1,000,000 or more .....	7,321	13.3
1980 to 1989 .....	10,404	9.9	Median (dollars) .....	514,600	(X)
1970 to 1979 .....	20,630	19.6			
1960 to 1969 .....	23,995	22.9	<b>MORTGAGE STATUS AND SELECTED</b>		
1940 to 1959 .....	28,174	26.8	<b>MONTHLY OWNER COSTS</b>		
1939 or earlier .....	13,680	13.0	With a mortgage .....	42,209	76.6
			Less than \$300 .....	28	0.1
<b>ROOMS</b>			\$300 to \$499 .....	335	0.6
1 room .....	3,369	3.2	\$500 to \$699 .....	977	1.8
2 rooms .....	6,718	6.4	\$700 to \$999 .....	2,169	3.9
3 rooms .....	11,242	10.7	\$1,000 to \$1,499 .....	4,991	9.1
4 rooms .....	16,348	15.6	\$1,500 to \$1,999 .....	7,303	13.2
5 rooms .....	17,843	17.0	\$2,000 or more .....	26,406	47.9
6 rooms .....	18,280	17.4	Median (dollars) .....	1,922	(X)
7 rooms .....	13,677	13.0	Not mortgaged .....	12,910	23.4
8 rooms .....	9,566	9.1	Median (dollars) .....	439	(X)
9 or more rooms .....	7,947	7.6			
Median (rooms) .....	5.3	(X)	<b>SELECTED MONTHLY OWNER COSTS</b>		
<b>Occupied housing units</b> .....	<b>100,650</b>	<b>100.0</b>	<b>AS A PERCENTAGE OF HOUSEHOLD</b>		
<b>YEAR HOUSEHOLDER MOVED INTO UNIT</b>			<b>INCOME IN 1999</b>		
1999 to March 2000 .....	16,777	16.7	Less than 15.0 percent .....	17,314	31.4
1995 to 1998 .....	28,632	28.4	15.0 to 19.9 percent .....	7,088	12.9
1990 to 1994 .....	16,504	16.4	20.0 to 24.9 percent .....	7,305	13.3
1980 to 1989 .....	16,778	16.7	25.0 to 29.9 percent .....	5,275	9.6
1970 to 1979 .....	12,037	12.0	30.0 to 34.9 percent .....	4,110	7.5
1969 or earlier .....	9,922	9.9	35.0 percent or more .....	13,676	24.8
			Not computed .....	351	0.6
<b>VEHICLES AVAILABLE</b>			<b>Specified renter-occupied units</b> .....	<b>36,221</b>	<b>100.0</b>
None .....	5,094	5.1	<b>GROSS RENT</b>		
1 .....	35,175	34.9	Less than \$200 .....	753	2.1
2 .....	42,530	42.3	\$200 to \$299 .....	782	2.2
3 or more .....	17,851	17.7	\$300 to \$499 .....	1,196	3.3
			\$500 to \$749 .....	2,761	7.6
<b>HOUSE HEATING FUEL</b>			\$750 to \$999 .....	7,296	20.1
Utility gas .....	72,996	72.5	\$1,000 to \$1,499 .....	12,511	34.5
Bottled, tank, or LP gas .....	3,353	3.3	\$1,500 or more .....	9,802	27.1
Electricity .....	21,900	21.8	No cash rent .....	1,120	3.1
Fuel oil, kerosene, etc .....	126	0.1	Median (dollars) .....	1,162	(X)
Coal or coke .....	-	-			
Wood .....	1,921	1.9	<b>GROSS RENT AS A PERCENTAGE OF</b>		
Solar energy .....	39	-	<b>HOUSEHOLD INCOME IN 1999</b>		
Other fuel .....	136	0.1	Less than 15.0 percent .....	4,802	13.3
No fuel used .....	179	0.2	15.0 to 19.9 percent .....	4,943	13.6
			20.0 to 24.9 percent .....	4,532	12.5
<b>SELECTED CHARACTERISTICS</b>			25.0 to 29.9 percent .....	4,530	12.5
Lacking complete plumbing facilities .....	523	0.5	30.0 to 34.9 percent .....	3,189	8.8
Lacking complete kitchen facilities .....	704	0.7	35.0 percent or more .....	12,565	34.7
No telephone service .....	427	0.4	Not computed .....	1,660	4.6

-Represents zero or rounds to zero. (X) Not applicable.

Source: U.S. Bureau of the Census, Census 2000.



# Explanation Of Terms And Concepts

**American Indian and Alaska Native:** A person having origins in any of the original peoples of North and South America (including Central America), and who maintain tribal affiliation or community attachment.

**Asian:** A person having origins in any of the original peoples of the Far East, Southeast Asia, or the Indian subcontinent.

**Black or African American:** A person having origins in any of the Black racial groups of Africa.

**CalWORKs:** California Work Opportunity and Responsibility to Kids is a state designed public assistance program. Focus is on work and training; those who seek welfare must also seek work. Time and aid limits apply.

**Food Stamp Recipient:** A person receiving food stamp coupons that can be exchanged for groceries.

**General Relief:** A county administered assistance program which includes interim payments to the disabled, and payments to individuals who are ineligible for other assistance programs, such as CalWORKs and Refugee Cash Assistance.

**Hispanic:** Census 2000 adheres to the federal standards for collecting and presenting data on race and Hispanic origin as established by the Office of Management and Budget (OMB) in October 1997. The OMB defines Hispanic or Latino as "a person of Cuban, Mexican, Puerto Rican, South or Central American, or other Spanish culture or origin regardless of race."

**Native Hawaiian and Other Pacific Islander:** A person having origins in any of the original peoples of Hawaii, Guam, Samoa, or other Pacific Islands.

**Public Assistance Recipient:** A person receiving cash welfare payments and/or nonmonetary benefits under federal, state, or local welfare programs.

**Refugee Cash Assistance:** A cash assistance and employment services program designed for adults without children who have official status as refugee, and who have been in the United States for less than eight months. Aid is limited to eight months.

**Some Other Race:** Includes all other census responses not included in the "White," "Black or African American," "American Indian and Alaska Native," "Asian," and the "Native Hawaiian and Other Pacific Islander" race categories. Respondents providing write-in entries such as multiracial, mixed, interracial, or a Hispanic/Latino group (for example, Mexican, Puerto Rican, or Cuban) are included in this category.

**Two or More Races:** Refers to a classification of census respondents who chose to provide two or more races.

**Veteran:** A person who has served but is not now serving in the armed forces of the United States.

**Vietnam-Era Veteran:** A person who served between August 5, 1964, and May 7, 1975, but is not now serving in the armed forces of the United States.

**Welfare-To-Work Program:** The Welfare-To-Work Program helps family members acquire the skills needed to get a job. The county will determine if a family must participate in Welfare-To-Work activities as a requirement for CalWORKs. Families may also volunteer to participate.

**White:** A person having origins in any of the original peoples of Europe, the Middle East, or North Africa.



[illegible]